لا إله إلا الله محمد رسول الله

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KHILAFAT LIBRARY

THE REVIEW OF RELIGIONS

May 1966

EDITORS

S. D. AHMAD M. G. AHMAD

THE AHMADIYYA MOVEMENT IN ISLAM

The Promised Messiah, Hazrat Mirza Ghulam Ahmad was born in 1835 in Qadian, a village in India. In the eighties of the 19th century, he was called to the office of world Reformer to combat the current of anti-religious philosophies and to explode the Christian theory of redemption based on the fiction of Christ's death on the Cross and to tell the Christians and Muslims to call off their hope for a second visit from Christ as he had been gathered to his forefathers and barred like all mortals from coming back to the world; and that he, the Promised Messiah, had come instead.

The Promised Messiah initiated the Ahmadiyya Movement (1) to revive Faith in God, challenging rival churches to a spiritual contest to seek Divine sanction for the religion He favoured, through prayer and appeal to Him for guidance and arbitration in the matter, by means of His signs (2) to re-establish the glory of the Holy Prophet Muhammad and to expound and disseminate spiritual beauties and moral excellencies of the teachings of the HolyQuran(3) to wean men from war-like tendencies and to educate world opinion in favour of renunciation of war as a means of settling disputes (4) to infuse hope, faith and courage in the drooping hearts of Muslims and all the depressed races and nations of the world (5) to warn the exploiters, slave-drivers, and pedlars in sin against the evil consequences of their evil ways (6) to collect under one banner all the true followers of Islam and lovers of peace and (7) to inculcate among them the spirit of tolerance, goodwill and self-less fellow-service and a feeling of true brotherhood.

The Promised Messiah passed away in 1908 and was succeeded by his foremost votary and closest companion Hazrat Haji Hakim Maulvi Nooruddin as Khalifatul Masih I. After his death in 1914, the Promised Son of the Promised Messiah, Hazrat Haji Mirza Bashiruddin Mahmud Ahmad was chosen as the Khalifatul Masih II. During his 52 years of Imamat the Khalifatul Masih II organized a world-girdling chain of mosques and missions. On his death on November 8, 1965, the electoral college named with one accord Hafiz Mirza Nasir Ahmad, the late Khalifatul Masih's son and the Promised Messiah's grandson, the Khalifatul Masih III.

For further information about the Movement, its activities and aims and objectives or literature, enquiries may be addressed to the nearest Ahmadiyya Mission or direct to

(For inland correspondents)
Nazir Islaho-Irshad,
Sadr Anjuman Ahmadiyya
Rabwah, West Pakistan.

(For Foreign correspondents)
Secretary,
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Tahrik-i-Jadid, Rabwah, W. Pak.

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It is open to all for discussing problems connected with the religious and spiritual growth of man, but it does not give any assurance to publish all articles, nor does it accept any responsibility for views expressed by contributors.

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GREEK TRACED TO ARABIC

BY

Sheikh Muhammad Ahmad Mazhar,
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بسم الله الرحمن الرحيم

نحمده ونصلي على رسوله الكريم

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GREEK TRACED TO ARABIC

Continued from the Review of Religions, issue of November, 1965

Biliteral Formula — Quasi-Aphesis, Continued

★	GOREO, to proclaim	GR جهر to proclaim
	ep-EL-us, incomer	EL آل to reach a th.
	SEMI-os, bringing loss	SM ضيم loss
	SETEO, to seek after	ST سته to track
	THLA-ssi-os on coast	TL طلع shore
★	THUMEO, to lust after	TM طمع to covet eagerly
L_2	KATHE-mai, to sit	KT كعت to sit down
	SQUAT, sit on ground (QUAT)	QT كعت to sit down
	KAINOO, innovate	KN كان innovate (ابداع)
	KAIR-os, convenient	KR قار to agree w.
	KAMPE, to bend (P)	KM قمع to bend
	KELLO, to bring to shore	KL كلا to bring (a ship) ashore.
★	KEUTHO, to hide	KT غطا to conceal
★	KRI-no, to decide	KR خار to choose, select
	KUP-to, to bend	KB قبا to bend

	KURO, to confirm	KR قار	to agree w.
★	LEAINO, to smoothe	LN لان	to be smooth
	LEPO, to strip off bark	LP لفأ	to remove the bark
	LEIPO, to leave	LP لفیٔ	to remain
	LIPAI-no, to fatten	LP لفا	fat vfn.
	ILLI-so, to wink roguishly	IL حول	to make the eye squint.
★	LOBEUO, to mock at	LB لعب	to joke, sport
	MASSO-mai, to knead	MS معس	to rub strongly
	MUSO, to scoff	MS مسأ	to joke, be rude
H_2	NISSO-mai, to go, visit	NS ناص	to move انس to be social
★	NUS-ta-so, to drop asleep	NS نعس	to doze, drowse
	ORKEO, to perjure, foreswear	RK رهق	to lie, be ungodly
	PETA-NNU-mai, to spread	BT بطح	to spread
	POREO, mai, to march	PR فری	to go
★	TOLE, rising of star	TL طلع	to rise (star)
★	PTHA-no, to reach first	PT فتح	to begin, open
	XOL-os, of bile	KL قلح	to be yellow
★	XRAO, to attack	KR كرة	charge in war
	XORA, country	KR قريه	village قعر town
	OKELLO, to run ashore (ship)	KL كلا	to bring a ship ashore
	OPISO-mai, regard w. awe	PS فزع	to fear
	ORIGO, give more, stretch	رجح	give an excess of, incline to
	OUR-is, tail,	OR اری عن	to remain behind
H_2	REIKO, to pound, rend	رهک	to pound عرق to strip
	ERUGO-mai, to roar, spit out	RG رغا	to roar, to foam
★	OUN-os, helper	ON اعان	to help
	ERRO, wander, perish, fall	عار	wander هار crumble, fall
	ALD-es, grown	ALD الاده	to grow (land-plant)
	EUDO, to sleep	ED هود	to sleep
★	KLEIA, repute	KL قال	public talk
	EU-KOLIA, good temper	هاء	to be glad خله quality.
	EU-LOGIA, speak well	هاء + لغا	to speak
★	KNEME, leg (N)	KM قائمه	leg
	KOP-os, labour	KP قفع	toil, fatigue
	POIK-l-os, variegated	BK بقع	to be spotted
	POL-os, foal	PL فلو	colt, *filly*
★	PHRAI-no, to cheer	PR فرح	to be cheerful
	ODEUO, to visit, watch	OD عهد	to visit, see

H_2	ORMAO, to rush, desire	رمح to gallop رام to desire
★	ORME, assault	RM رمى to shoot
	ORMI-so, bring to anchor	RM روم to stop, tarry
	UPER-the, atop	PR فرع to overtop
ن	PEUK-os sharp pointed	PK فوق tip of tongue, notch of arrow
★	ZUJ, married, couple	زوج to marry, couple
★	ZUG-os, pair	ZG زوج one of a pair
★	ZO-AGR-is, reward for life saved (AE=ZO)	AE حيى to live Z=Y AGR اجر reward
H_2	AD-os accustomed, acquainted	AD عاده habit عهد to be acquainted w.
★	EL-asco, to stray	EL عال to lead astray
	LEUK-os, white	LK لهق to be white.
★	TAL-on-ton, talent, wealth	طول power, wealth, superiority.
	ANIA, bridle عنان bridle.	AN عن to put reins to a bit
	HON, shore	AN عنا shore
	THIR-os, hinge of door	TR ترع to turn ترعه door
★	THALIA, plenty	TL طول wealth
	THREO-mai, to cry	TR تعر to cry out
	THRE-neo, to lament	TR ترح to be sad
H_2	THROEO, to cry, be troubled	تعر to cry ترح to be sad
★	THUNNO, to spear	TN طعن to spear
	THURA, door	TR ترعه door
★	IDE, to behold	ID عهد to see
★	IDEA, look of a thing	ID عهد to see
	ID-noo-mai, to bend	ID اود to be bent
★	IDUIA, knowing	ID عهد to be acquainted w.
★	ILA-os, kindly, gracious	IL الى favour, grace
	ILA-r-os, cheerful	IL هل to rejoice
	IME-r-os, exciting love	IM هام to love passionately
	IX-us, waist	IK حقو waist, loins
★	IS-AMILL-os, equal in racing	سيئى equal ML ملا to run
★	ISO-KLE-r-os, equal	S سيئى equal
	in property	KL خول property
★	ISO-KRA-t-os, of equal power	KR قهره force
	NEK-us, dying	NK نقع نخع نكى to kill
★	ISO-SCE-l-os, w. eqnal legs	سيئى equal SC ساق leg

	PHARI-so, to be match for	BR باری to vie with, match
★	ISX-us, strength, might	SK شوکه power, might
	KAD-os, jar for water	KD قدح drinking cup
	KATHA, like as, just as.	KT قطیع similar, alike
★	EXO, hold back, check	EK عاق to impede, hinder
	OD-os, going down, return	OD هود to descend هاود return
	KAINO, to kill	KN قناً to kill
★	KAIR-os, due measure	KR قرء measure
	KAM-ax, pole (x for H)	KM قائمه telegraphic post
	KAN-on, a rod	KN قناة rod, spear
	KANNA, reed	KN قناة pipe
	KAPH, a crib	KP قفه basket
	KARA, head	KR کراع top
	KARA-KALL-on, hood	prec+کاه veil
	KARO-TOMEO, cut the head	TM طم to cut کراع top
	KAS-as, skin	KS قشع dry skin
ن	★KATTU-ma, stitched	KT خاط to stitch
	KANAXH, clang of metal (N)	KX=KK قعقعه clash of arms
★	DOLEO, enslave, subjugate	DL=ZL ذل obedience
	DOUPEO, fall w. heavy sound	DP دفعه shower, rush, pouring
★	ZEUG-mu-mi, to yoke	ZG زوج to couple
	AIGI-so, to rush like storm	AG هاج to dash, rush forth
	AIDEO-mai, to feel reverence	AD هاد to frighten
	RE-VERE, to fear	VR وهر to fear
	KOR-os, excess	KR کور plenty اکری to increase
★	KRA-teo, to gain mastery	KR قهر to gain mastery over
★	KRI-ma, condemnation	KR قرع to upbraid
★	KOMA-so, burst riotously upon	KM قحم to rush blindly into
	LIP-areo, entreat	LP الهف to be greedy for
	MERI-so, to cut in pieces	MR حمر to cut a th. in pieces
	MELO, to put in a probe	ML میل probe for wounds
	AMPE-xo, to encompass (M)	AP حف to surround
★	PATEO, to trample p/v	PT=VT وطء trampling
	PRIO, to cut, saw	PR فری to cut, slit
★	ARA-sso, to fall to pieces	AR هار to fall to pieces
★	ARRODEO, to fear	RD رعده fear
	TRU-so, to chatter	TR تعر to vociferate

	ELEEO, to have compassion	EL الى grace, favour
	EREIKO, to grind	RK رهک to pound between two stones
★	EXO, to check	EK عاق to hinder
★	EPHEIA, shame, sorrow	EP اف fie, for shame
	KAIN-os, new	KN كان to originate (ابداع)
	OKNEO, to shrink f.	KN كنع to shrivel
★	ORRADEUO, to dread	RD رعده fear
	KAX-aso, to laugh aloud	KK قهقهه to laugh aloud
★	KEAZO, to split	KZ قاض to split
	KELA-do, roaring	KL خيل to thunder over (cloud)
★	KEUTHO, to hide	KT غطا to conceal
	KENTEO, to stitch (N)	KT خاط to sew up
	KENTEO, to prick (N)	KT خت to hit w. a spear
	KEDEO, to trouble, vex	KD كاد to be sad
	KHLEO, to beguile	KL خالى to deceive
	KHL-is, spot, stain.	KL خال spot on skin
★	KHR, calamity	KR قارعه calamity
	KILL-os, ass	KL قلو young ass
ن	KIMB-ix, niggard (B)	KM قمح to send away w. paltry gift
	KIR-K-os, circling=hawk	KR كور to wind round
	KIR-ko, to hoop round	KR كار to wind round
★	KLA-sis, breaking	KL خلع to dislocate, separate
	KIGK-LI-so, to move tail	KK قعقع to move, shake L اليه tail
	KLAO, to dress	خلعة robe vfn.
★	KLEI-n-os, famous	KL قال public talk
★	KLE-os, rumour, report	KL قال public talk
★	KLEO, to tell of, celebrate	KL قال to speak to
★	KLE-so, to be spoken of	KL قال to speak to
★	KALEO, call, summon	KL قال to speak to
★	KLU-to, famous	KL قال public talk
H_2★	KLUO, to perceive, know, be called	KL عقل to understand قال to speak to
★	KNHMH, leg (N)	KM قائمه leg
	KOGXH, concha	KG قوقه sea-shell.
★	KOILAI-no, to make hollow	KL خلا to be empty
★	KOILIA, cavity of body	KL خلا to be empty
★	KUR-os, master, ruler	KR قهر to get mastery over

	KOLA-so to curtail, prune	KL خلى to cut off
	KOLE-on, sheath	KL خله scabbard of a sword
	KOLLAO, to glue	KL كعل to glue
	KOLLU-rion	KL كحل *collyrium*
	KOLOB-os (KOL-os) curtailed	KL خلى to cut off
	KOLO-nh, a hill	KL قوعله hill
	KONIA dust, sand	KN قناع fine sand
	KONEO, to raise dust	KN قناع fine sand, vfn.
H_2	KONIAO, to whiten, or plaster	KN كنه whiteness
	KON-is (CIN-is) ashes	CN ضاء ashes
H_2	KON-t-os, pole, boat-hook	KN قناة stick قنح to bend
	KOP-oso, to grow weary	KP قفع weariness
	KOPE-us, chisel (KOP-to)	KP كاف to cut,
	KOPIAO, grow weary, toil	KP قفع weariness, toil
H_2	KOP-is, chopper,	KP كاف to cut
	broad curved knife	خيفه knife
H_2	KOP-os, striking, fatigue	قفع to strike w. rod قفع weariness
	KOPPA, the letter Q	ق قاف
H_3	KOP, strike, cut off	قفع to strike كاف
	smite, beat breast	to cut كف slap
	KOR-os, boy	KR غرا youngling
	KOR-E, girl	KR غرا youngling
	KEIRO, to cut a tree	KR قعر to cut (tree) f. the root
	KORI-SO-mai, tc caress (KORE)	KR غرا to stick to, be fond of
	KOR-os, dry measure	KR قرء measure
	KOKU-d-os (KOR-US) crested	KR كراع top
	KORU-sao, to drivel	KR=RK ريق spittlle
	KORUMBUS (KOR-us) top	KR كراع top of mountain
	of hill, uppermost point	extremity
	KOR-us, club, mace	KR قريه stick
	KOR-usso, furnish w. helmet	KR كراع top. vfn.
	KOR-up to (KARA) butt w. head	KR كراع top vfn.
	KOR-upto (KORA) top	KR كراع top
	KRA-t-os, force	KR قهره force
	KOUPHI-n-os, basket	KP قفه basket
	KOXLI-as (COCHE-la) snail	CK قوقه sea-shell,
	w. spiral shell	snail

★	KRA-teo, to conquer	KR قهر to subdue
	KRA-ter, large bowl, cup-shaped hollow	KR قعر bowl, hollow in the earth
	KRA-ter-so, to drink f.a bowl	KR قعر bowl + كرع to sip
★	KRA-tesi Max-os, conquering in fight	KR قهر to overcome MX=MKS مغث struggle, fight
	KRA-G-aso (KRA-so) to cry	KR قعر to cry
★	KREI-on, master	KR قهر get mastery over
★	KRI-no, choose, judge	KR خار to select
★	KRI-ti-k-os critical	KR خير to give a.o. option between
★	KROAI-no, to strike w. hoof	KR قرع to knock, beat
★	KRO-teo to strike, smite	KR قرع to knock, beat
	KRO-tema, work wrought w. hammer	,,
★	KRO-te-sis, clapping	,,
★	KRO-t-os beating	,,
★	KROUO, to strike, beat	,,
★	KRU-os, cold, chill	KR قر coldness, chill
	KRU-zo, to crow ; cry	KR قعر to cry
	KTI-zo, to colonize,	KT خطه ground first occupied by a settlor vfn.
	KUAM-os, a bean	KM قمحه a grain
	KUB-os, cubical die	KB كعب cube, die
	KUDA-so, to revile	KD قادح to revile
	KUKAO, stir up, throw into	confusion KK قعقع to shake a th.
	KULI-x, cup	KL قله cup (X for H)
★	KURIEUO, lord or master	KR قهر to get mastery over
H_2★	KUR-is, lord or master,	KR قهر to get mastery
★	anthoritative	خير to authorise
H_2★	KUR-os supreme power, authority	KR قهر to get mastery خير to authorise
	KURO, confirm, ratify	KR قار to agree w.
	KOMA-so, to make merry	KM اقما to please a.o.
★	KOMA, village, town	KM قوم dwelling
	KOM-ODIA, revel+song	اقما to please هود to sing
	KON-OS, cone (of helmet)	KN قنعه top
	KORU-k-os leathern wallet	KR قرعه leather bag
	KOT-illo, to chatter	KT قعط to cry
L_2	KOTI-l-os twittering	KT ,,
	CHATT-er (Eng.) CH/K	KT ,,
	KOPH-os, blunt, dull	KB خبا to be extinguished
★	LAB-r-os, furious, greedy	LB الهب to be fiery لهب ardour

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H_2★	MELE-tao, care for, practise doing		ML مال to lean towards عمل to work, practise handicraft	
	MELIA, ash		ML مله hot ashes	
★	MEMPH-si-MOIR-os,		MM=LM لام to blame	M/L
★	Complaining of fate	(P)	MR امر decree	
★	MELLO, to delay		ML مهله delay	
ن★	MER-m-is, rope	nv.	MR مر rope, f. امر to twist a rope	
	MES-AKT-os, between 2 shores		مسئى middle course قاطع river bank	
	MESEUO, to keep the middle course		MS مسأ to follow the middle (of road	
★	MESO-POTA-mi-os, between rivers		مسئى middle PT فتح watercourse	
	MAINO, to dye		MN منا to dye (a hide)	
	MIG-nu-mi, to mingle		MG ماج to *mingle*	
★	MISGO, to mix		MSG مزج to mingle	
	MISCEO, to mix	(c)	MS ماث to mix	
	MIK-r-os small, cheap		MK ماق to decrease, be cheap	
	MINU-tho, to lessen		MN من to cut-hence lessen	
	MIT-os, string, thread		MT ماتع well-twisted (rope)	
H_2★	MNAO-mai, to mind, solicit		امعن to ponder over منيه desire	
	MODI-os, dry measnre		MD مدى measure	pfg.
H_2	MOIRA, division, destiny		حمر to cut in pieces امر decree	
★	MOIR-a goddess of fate		MR امر decree	
	MOIR-ao, to divide		MR حمر to cut in pieces	
	MOROE, skilfully wrought		MR مهر to be skilled in an art	
	MURO, to flow, run, to shed (tears)		MR مار على to flow upon اسار to liquefy	
	NEIK-os quarrel		NK ناقح to quarrel w.	
	NEK-r-os dead body		NK نخع to kill	nfv.
	NEK-US, dead body		NK نخع to kill	nfv.
	ne-LIT-es harmless		LT لتأ to hurt a.y. ne=not	
	NIKAO, prevail, conquer		NK نهک to win a.o.	
	NIKH, victory		NK نهک to overcome	
★	NOS-teo, to escape		NS ناص to escape	
★	NUS-ta-zo, to be sleephy		NS نعس to be sleepy.	
ن	XUL-on, piece of wood		KL قله piece of wood	
★	XUS-t-os, robe		KS كساء garment	
★	OAR, wife		عورة woman	

	ODAI-os, weight	اودة burden, weight
★	OD-ax, biting w. teeth	عض to bite w. teeth
★	OD-os, way	هدى straight path
★	OD-OO, lead by the way	هدى to lead the way
★	LAGX-ano (LAX) obtain by lot	LK لقايه thing found by chance
	LATHE-in, secretly	LT لاط ty conceal
	LATE-ARG-os, biting secretly	لاط to conceal RG رجه seize w. teeth
	LALEO, speak L/G	LL=LG لغا to speak

N.B. G changes into L in Greek. This is peculiar to Greek.

	LAMP-as, torch (P)	LM لمع to shine
	LAMPO, shine (P)	LM لمع to shine
	LAMP-adion, small torch	LM لمع to shine
	LAMP-ade DROM-os, lamp race	DRM درم to run w. short steps
	LANTHA-no, unseen (LATH)	LT لاط to conceal nasal N
	LAP-to to lap by tongue	LP لحف to lick
	LAPI-n-os, fat	LP لفا fat
	LAX-on, to dig L/R	LK=RK ركا to dig
H_2	LEGO, to say, read	LG لغا to speak لقى to find out
	LEMMA=LEIPA-non, remains	LP لفئ to remain
	LEKE-t-os to be spoken (LEGO)	LG لغا to speak
	LEP-t-os (LEPO) peeled	LP لفأ to remove bark
H_2	LEUK-os, white, bright	لهق to be white الق to shine
L_2★	XIT-on coated	KT غطا cover
★	COAT (English) covering	CT غطا to cover غطايه garment
H_2	LEX-r-is oblique	LK لوق to bend
	OB-LIQUE (English)	LQ لوق to bend
	LOG-os, word, thought	LG لغه word
	LOGI-k-os speaking logical	LG لغا to speak
	LOX-os, slanting, oblique	LK لوق bend twist
	LUG-os, willow tree, withy	LG لوق bend, twist
	LUGI-zo, to twist	LG لوق twist
	LOP-os, peel, husk	LP لفأ to bark (a tree)
	LUG-r-os mournful	LG لعج to be pained
	LUPEO, to grief	LP لهف to grieve
	LUPH, pain, grief	LP لهف to grieve
	LOPE, cover, cloak	لفع to cover لفاع cloak,
	MAN-os, few, scanty	MN معن scarce, poor

	MATA-zo speak or work foolishly	MT متە to boast unreasonably تمتە to act foolishly	
	MATAI-LOGY, to talk at random	prec=لغا to speak	
	MATAI-os, trifling	MT متە to mind trifles	nfv.
	MATH, folly	MT متە to boast, be confused	
	MEGA-THER- sis, very bold	MG=MZ مز excellence عتار bold	
	LAUXEO, to talk	LK لغا to speak	
	METH-iemi, to let go	MT ماط to remove	
	METHU, wine	MT ماتع red wine	
	METHU-O, to be drunk	ماتع red wine	vfn.
	MELI-XIA, gentleness (MELI-sso)	ML مهل gentleness	
ن	MELE-os, miserable.	ML مل be disgusted w., fret	
	MEIL-ia, soothing things	ML همال soft	
★	MELI-dai-no, to attend	ML مال to incline to	
★	ODU-os, tooth d/z	عض to bite w. teeth	nfv.
★	ODU-na, pain, grief	اذى harm وذيه pain	
	ODU-sso-mai, to be wroth	حد على to be angry w	
	OIKEO, to dwell, inhabit	عكى to stay (in a house)	
	OIK-os, house	”	nfv
★	OIKU-REO, watch the house	R رعيه watch + prec.	
L_2	OISTAO, to sting (gadfly)	ST شحط to sting (scorpion)	
	ST-ing (English) (ng)	ST شحط to *sting*	
	OIST-ros, gadfly=(stinger)	ST شحط to sting.	nfv
	OIXO-mai, to be gone	X=KS قش to go away	
	OKNE-on, to shrink f. doing	KN كنع to shrivel, retire	
	OLOPHU-ro-mai, wail	LP لهف to grieve, be heart-broken	
	om-GALA-k-t-os, suckled	GAL غال to suckle	
	w. the same milk	OM=SM سمى equal (i.e. same)	
★	OMA-GAM-os, married to the same	GM جمع to unite + prec	
	ON-os, ass	عانه she-ass	
★	ONI-nu-mi, to help	اعان to help	
★	OPH, hole, opening	PH فوه hole, orifice	
★	ORRODEO, fear, shudder	RD رعده fear, shudder	
H_2★	OTRU-no, to be quick, stir up	TR طار to hasten to do طر to incit.	
L_2★	OUTHAR, udder t/s	TH-R=SR ضرع *udder*	
★	UDDER (English)	DR ضرع udder	

★	OUN, really	ان certainly, indeed
	OUR, tail, rear	ارى عن to remain behind
★	OPHEI-lo, to have to pay	OP وفاء payment of debt
	PATHE-in, suffering	PT فطأ to grieve, distress
	PAL-in, back, backwards	PL فله return f. work, go back
	ATHLI-os, wretched	TL طلاح bad state
★	EPH-th-os, purified	عفا to be clear
★	SEM-n-os, majestic	SM سما to be high سام lofty
	TAL-os, wretched	TL طلاح bad state
★	PARA, beside, near P/V	VRA ورا before, beyond
★	PAR-os, formerly, before	PR افرع to begin
★	UPHE, border	حافه border
	OTHEO, to put	حطا to put, place
	PATA-sso, to strike, beat	PT فطح to strike
★	PAT-os, trodden P/V	PT=VT وطئى to tread
H_2	PAX-us, thick, stupid	BK بعک to be thick باعک fool
★	PES-os, go on foot	PS فسح to stride
	PEKO, comb	PK فاق comb
	PENTH-os, grief (PATH-os)	PT فطأ to grieve
★	PERA, beyond P/V	VRA ورا beyond
	PER1, round about	PR فرع to go around
★	EPO, to treat w. honour	حفا to honour a.o. (God)
		حفى to show honour to a guest
★	PERI—EXO, encompass	حاق to encompass
	peri—GLE-nas-mai, glare around	فرع to go round GL اغل fix looks
★	PERI-ELU-sis, coming round	EL آل to reach فرع round
★	PERI-KEDO-mai, to be anxious	KD كاد to intend, wish, be sad
	KEL-os, dry	KL قحل to dry up
	LIP-es, surviving	LP لفئى to remain
	LUP-os, grieved	LP لهف to grieve
	PETA-nnu-mi, to spread	BT بطح to spread
	SEM-n-os, august	SM سام high, lofty
★	SEM-os, famous	SM سمع fame
★	SULAO-mai, to strip	SL سحل to peel
★	TEIXI-zo, to wall	TK طوق circle (to wall=to encircle)
	TELLO-mai, to go	TL طلع to go out

	TER-ma, bounded	TR طره side
	TRI-mma, rubbing	TR طر to whet (a knife)
	XEILOO, to edge vfn.	KL كلا bank of a river
★	XTH-on, earth	KT قطعه piece of land
L_2	PET-al, leaf (PET) spread	BT بطح to spread—پته
	PIK-r-os, pointed, sharp	PK فوق tip, notch
★	POTH, to miss, to long for	PT فات to miss an opportunity
★	AMU-no-mai, to defend	حامی to defend
	THRAAI-os, door	TR ترعه door
	RADI-n-os, slender, slim	RD رأد delicate maid
	RAK-os, a rag, strip of cloth	RK رقعه a patch
	RAK-os, to strip off flesh	RK عرق to strip (bone) f. flesh
	RAP-t-os, to stitch	RP رفا to darn
	RAPH-is, needle	RP رفا to darn nfv.
	KAP-s-OD-os, stitched song	رفا to darn هود to sing
	RION, peak of mountain	RN رعن peak of mountoin
	RINH, a file, a rasp R/S	RN=SN سن to whet, sharpen
	SAN-is, stage, deck	SN صحن courtyard
	SAP-r-os, rotten	SP شأف corruptedness of wound
	SATRA (SAR-ta) gold	SR سیرا gold
	SATTO, to fill	ST شحط to fill
★	SAPH-s, clean, manifest	SP صفا to be clear
	SANI-on, a javelin	SN سن to spear nfv
★	SEIR-on, charming, eloquence	SR سحر to facinate سحر eloquence
★	SEIRI-os, scorcher	SR سعر to scorch
★	SEL-as, bright flame	SL شعل to be inflamed
★	SELE-ne, moon	SL شعل to light (fire)
★	SEUO, to run	SEU سعی to run
H_2	SHK-os, chapel, trunk of tree S/R	SK=RK ر کح monk's cell RK عرقه trunk of tree
	SHPO, to corrupt, rot	SH-P شأف corruptedness of wound
★	STHE-n-os, might	ST سطوه might
	SIGH. silence	SG سجا to be silent
★	SIDH-r-os, iron	SD شد to be hard
★	IRON (IS-on) Eng.	IS عسا to be hard
★	SKE-l-os, leg	SK ساق leg

	SPI-l-os, spot	SP سفع mark-of fire
H_2	SPO-d-os, ashes, dust	SP صفوه ashes سفاً dust
	STE-men. warp (STE-nai)	ST ستی warp of cloth
	STO-a, roofed colonade	ST سطح roof (nom. A)
★	ZUG-GAM-os, united	ZG زوج to marry
	by marriage	GM جمع to unite
	Kathe-UDO, to sleep	UD هود to sleep
	KATHE-mai, to sit	KT کعت to sit
★	Kat-AGO, to bring	AG اجاء to bring
★	Kata-DOULO, to enlsave	DL=ZL ذل to be tractable
	Kata-KUP-to, to demolish	KP خفأ to throw down
	KOPE, to cut	KP کاف to cut
	KUP-to, bend	KB قبا to bend
	KOREO, to dance round	KR کور circle کرا to round
★	su-ZUG-os, wedded	ZG زوج to marry
★	SOXO, to rub	SK سحق to rub
	TALA-ERG-os, enduring labour	تل to lift هرج to exert oneself
	TAX-os, hastiness	تاق to hasten towards
ن★	TEIX-os, wall round a city	طوق circle, hoop
	TELE-tao, to fulfil	طلع to fill
H_2	TELLO, to make to arise,	طلع to rise (sun)
	accomplish	طلع to fill
	TEL-os, fulfilment	طلع ثلع تل to fill
	TELE-son, boundary	طلع shore اطل side
★	TEL-AUG-us, far shining	طول distance وهج to blaze
★	THLE, distance	طول distance
	TRI-KOLO-n-os, three	TR وتر odd number (applied to 3)
	hilled	KL قوعله hill
	TUPH-l-os, blind (TUPHO)	TP طفئی to lose light (of eyes)
	UPER, over, above	PR فرع to overtop
	PHAJE-in, eat up	BJ بجع to eat to surfeit
	PHAKE-l-os, bundle	BK باقه bundle
★	PHTHA-no, to do first	فتح to begin, open
	EIDI-nai, to learn	عهد to be acquainted w.
	epi-TEMI-t-es, censorious	TM تهمه charge, calumny
	MEID-es, laugh D/Z	MD=MZ مزح to joke
	NEIKEO, strife	NK ناقح to quarrel

LIBRARY

	PARA-BOL-os, daring	BL بال boldness, heart
	PEUS-t-os, enquiring	PS فحص to inquire after
★	PHRO-neo-mai, be cheerful	PR فرح to be cheerful
ن	PHOX-os, pointed	PK فوق tip of tonque, notch
H_4	—PHOR-a, carrying, bringing forth, load, rush	عبر to convey برأ to create بهر to overburden فر to run
ن★	PHRE-ar (PHRE-ta) a well	PR=BR بئر well
	PHUG-AIK-m-es, fleeing	PG افاج to run
	f. spear	AK هک to spear nfv
	PTOLE-m-os, war (T)	PL فلا to strike w. sword
	POLE-m-ics, war	PL فلا to strike w. sword
	PHU-sao, puff, snort	PH فح to hiss, snore
	XALI-n-os, bit	KAL خال horse's bit
	XALI-no, to bridle	KL خلی to bridle (a horse)
	XAL-ix, small stone	KL قلاعه uprooted stone (X for H)
	XAM-ai, on the earth	KM کمع level ground
★	XAR-is, kindness, boon	KR خیر generosity
	XATI-so, to fail, be wanting	KT قحط to fail rain
★	XEIRO-ma, conquered	KR قهر to subdue
	XER, worse, of low degree	کرع to be of low condition
	XEL-us, tortoise	خلاه scabbard i.e. shell of tortoise
ن★	XIT-on, garment	KT غطایه covering, tunic
★	XLAI-na, upper garment	KL خلعه robe of honour
★	XLA-r-os, exultant	KL خیل to vie in pride
H_2	XLO-r-os, green, yellow	KL اخلع to send forth leaves قلح to be yellow
	XOL-os, gall, bile	KL قلح to be yellow
	XLOH, first shoot of plant	KL اخلع to send forth leaves
	XOLOO, bilious, angered	KL قلح to be yellow (i.e. bile)
	XOR-t-os, inclosed place, any feeding ground	KR قرعاء courtyard, meadow
H_2	XRAO, to wound slightly	KR قرح to wound قره to scrape
H_2	XRAO, to attack, desire	KR غاره raid غری to desire
	XOL-os, lame, halting	KL قلع to totter
★	OS, so, thus	OS حیث so as, so that
★	ALPH-os (ALB) white	LB لهبه pure whiteness
	AMPHO, all round (P)	AM حام to go round

★	ASK-os, leather bag	SK سقاء water-skin
★	APHE-n-os, plenty, wealth	AP عفو plenty, wealth
	APH-r-os, foam	AP عفوه foam
★	DENN-os, disgrace, reproach	DN دنيئه vice, defect,
★	EKAS, far off	KS قصا to be far off
H_2	EMEO, to throw up, to	عمى to throw foam,
	vomit, to be sick	هم to waste body (disease)
	EREUGO-mai, to spit	RG ريق spittle
★	ECHO, to hold, guard	ES احصى to hold within control
	CH/S	protect
E	EDO-mai, to be delighted	ED=EZ هزة delight
★	THAP, burning the body	TP=DF دفا to warm (fire)
	ID-os, voilent heat	ID حدة heat حد hot
★	INA, when, in whatever part	IN ايان when, whenever
	IPTO-mai, to press forward	PT فطا to urge a beast vehemently
	KAINO, to kill	KN قنأ to kill
H_3	KAP, lock of hair, cut off,	قفوه silk tres s (transferred)
	head	كاف to cut قحفه skull
H_2★	KIZO, to split, shatter	قاض to split قض to crackle
	KED-n-os, sage	KD قدة model, pattern
	KEPH-le, head	قحفه skull or قب head
H_2★	KEM-os, muzzle, funnel	كم to muzzle قمع funnel
	KIR-K-os, circle	KR كره sphere كور circle
	KIR-ko, to go round	KR كرا to round a th
L_2	KIS-th, chest	KS خص basket (primitive chest)
	CHES-T (English)	KS خص basket
	CHES-T (English) breast	KS قص breast
★	KLEO, to tell, repute	قال to say قال public talk
★	KNETH-os, darkness (N)	KT غطا darkness
	KORAK, raven (R)	KK قعق crow (unoriginal R)
	KOR-os, boy	KR غراء youngling
L_2★	KRI-sis, choice, trial	KR خير to give option to choose between
	CUKAO, to stir up, clash of arms	قعقع to shake, clash of arms
★	KUMBA-l-on, cup (M) NV	KB كوب cup كاب to drink f. cup
★	KUREO, to hit the mark	KR قرع to hit the butt (arrow)
	KUR-os, confirmation	KR قار to agree w.a.o.

★	KURI-ous, authorise	KR خير to authorise
H_2	LAG-r-os, loose, pliant	لق to be loose لاق to be soft
★	LACH, obtain by chance	LK لقايه thing found by chance
★	LAPH-os, piece of cloth	LP لفه head-band
	LEPO, leave behind	LP لفئى to remain
	RETH-os, limb	RT رتا to bind
	LIM-B (B)	LM لحم to solder.
★	RIK-n-os, crookod	RK ركع to bend down.
★	ROTH-os, rushing noise	RD رده echo (because it returns)
L_2	ROMPHIA, sword (M)	RP رهيف sharp sword
	RAPI-er, sword (English)	RP رهيف sharp sword.
	RUP-os, dust R/L	RP=LP لفا dust.
	SAINO, to fawn, to deceive	SN صانع to flatter, deceive.
★	SAL-os, swell of sea	SL سيله rush of water.
★	SEL-as, bright flame	SL شعله flame.
	SIGE, silence	SG سجا to be silent
H_4-	SPAO, draw sword, suck in, tear, adopt	ساف to kill w. sword سف to dirnk وسف to tear صفا to choose.
★	STO-r, to spread, level	ST سطح to spread, level.
	STU-l-os, pillar	SK سطاع long pole of a tent.
★	SOCHO, to rub	SK سحق to soften by rubbing.
★	TELE, at a distance	TL طول distance
	TREO, to dread, flee f. fear	TR ترع to fear, terrify
	PHGE-in, to devour	BG بجع to eat.
	PHAO, to shine	PH=BH بها light.
★	PHEGG-os light of fire	PG=VG وهج to blaze.
★	PHA, to speak	PHA فاه to speak.
	PHUO, to put forth leaves	PHA فاح to be verdant.
★	CHAZO, cause to retire	KZ قضى to be finished, elapse
	LEX-os, slanting	KL لوق to bend.
	LUPE, sad Condition	LP لهف to grieve, be heart-broken
	LOBE, maim, dishonour	LB لحب to cut, insult.
★	MAR-na-mai, to quarrel	MR مراء quarrel.
H_2-	MELIA, charm, soothing things	ملح to be beautiful همال soft.
H_2-	MELO, intend to do, delay	ميل inclination مهله delay.
	MIK-r-os, little, cheap	MK ماق to decrease, be cheap
	MOECH-us, to shave head	MS ماس to shave the head.
	NEIK-os, quarrel, strife of words	ناقح to quarrel, break into high words

NER-on, cord, sinew — NR نير cord, thread نار to weave.
NIZO, to clean, purge — NZ نزه to be pure.
★ ODOURO-mai, to lament — DR ضرع to entreat humbly.
OLOPH-ro-mai, to lament — LP لهف to grieve.
★ ONO-mai, to scorn, slur — اهان to scorn, disgrace.
★ OS, this — هذا this.
OCHL-os, crowd — CH-L=KL قله crowd of men.
★ PETA-UNU-mi, to open — PT فتح to open.
PER-us, maimed — PR فرى to cut.
H_2 PLA-n-us, cheating wandering — فلح to deceive فلا to journey.
POIK-l-os, spotted, dappled — BK بقع be spotted white and black.
H_2★PRASSO, succeed, attain, be busy (R) — PS فاز to obtain, succeed فاضفى to be busy
★ BUSY (English — BS=FS فاضفى to be *busy*.
REZO, to do, to act — RZ راض to train oneself.
★ CHALAO, to loosen — KL خلع to luxate.
CHIL-os, green fodder. — KL كلأ fresh herbage.
★ CHIT-on, garment — KT غطايه garment
CHILO, become warm CH/S — SL صلى to worm.
CHRAO, to scrape, wound slightly — KR قره to be scratched.
H_4 CHRAO, furnish what is needed, declare, consult. — SR صاره need سرح to facilitate صرح to declare, شاور to consult.
CHRE, need — SR صارة need.
L_2★OLENE, elbow, to bend — LN لحن to incline to
★ LEAN (English) — LN لحن to incline to.
LEAN, thin (English) — LN=NL ناحل thin.
LENI-ent, gentle Eng. — LN لان to be soft, mild
★ AGLA-ETHER-os, bright haired — GLA جلا brightness TH-R=SR شعر hair
AITHO, to kindle — A-TH=AS حشأ to kindle fire
AITIAO-mai, to accuse — AT=AS اثا to acause
en-THRA-sco, to leap — TH-R=SR ثار to leap
L_2 THIGA-no, to touch — TH-G=SG ساجى to touch
ن TANG-ent, touching Eng. (N) — TG=SG ساجى to touch
★ THERO, to heat — TR=SR سعر heat
THLAO, to crush — TL=SL سحل to pound
ن TEL-ma, mud — TL=SL ثله mud

★	THALAO, to bruise	TL=SL سحل to peel
★	THLIBO, to oppress	TLB=SLB سلب plunder
	TUP, to smite	TP=SP سفع to slap
L_2	THUMBRO, savory (M)	TH-BR=SBR صبر any bitter plant
	SAVORY V/B	SBR صبر bitter plant
	THRIG-os, topmost, coping	SRG شرخ top
	THELGO, to so othe, charm	SLG ثلج to soothe
	THELGO, to spell-bind	SLG ثلج to lose wits, be benumbed
	ROXTH-os, roar	RKS رغش to make a noise
	TRAUCH-us, rough	SRS شرص rough
	TRAU-l-os, twittering	TR=SR صر to squeak
	AITHRA, clear sky	TH-R=SR صرح to be clear (sky)
	PUNTHA-no-mai, to inquire	PTH=PS فحص to enquire (N)
	TAURU-mai, to be like bull	TR=SR ثور bull
L_2	TUP-to-mai, beat o's self, mourn	TP=SP سفع to slap i.e. beat breast × سیاپا
★	THER-m-os hot	TH-R=SR سعر heat
	ATHRA-so, be clear and fine	THR=SR صرح to be clear
	AMATHU-no, to grind to powder	MTH=MS معس to grind small
L_4★	MET-reo, to measure	MT=MS مسح to measure
★	MEASU-re Eng.	MS مسح to measure
★	MECH, measure Punjabi	MS مسح to mearure
★	MESS-en to measure-German	MS مسح to mearure
	PUNTHA-nomai, to search (N)	P-TH=PS فحص to search
	ATHREO, to discern	TH-R=SR صرح to be evident
★	THR-asco, to leap	TH-R=SR ثار to leap
★	ATHL-on, prize	TH-L=SL صله reward
★	ETHEIRA, hair	TH-R=SR شعر hair
★	KOTH-on, drinking vessel	KTH=KS كاس drinking cup

G or J=Z

Sanskrit alphabet does not possess the letter Z. It conveys the Z sound by G or J. This sound - change is found in all the Aryan as well as other languages e.g. GINGER= ZINGER,

GEN-os, race (GEN)	GN=ZN ضنء race
A-GON-os, unborn	A, not ضنأ to be prolific (woman)

GENEA, race — GN=ZN ضنء race
GENE-sis, birth, race — ZN ضنأ to be prolific (hence beget)
GONI, offspring — ZN ضنء numerous offspring

N.B. I do not base this root on GA, to beget i.e GA=ZA وضع to beget. The derivatives of GEN agree with ضنأ i.e. to have many children (woman) i.e. to beget.

★ GN-osco, to know — ZN ظن to know
★ A—GNOEO, not to know — ZN ظن to know A not
★ GNO-mi, to judge — ZN ظن to know اذن to know
★ A-GN-us, unknown — A, not ظن to know
REG-nu-mi, to break — RG=RZ رضح to break
★ AGORA, assembly — AGR=AZR حضيره party of men
★ AGOR-aso, to be in assembly — AZR احضر to attend a meeting
AGOREUO, to speak in assembly — حضيره party of men vfn.
A—RROX, unbroken (RIG) — RG=RZ رضح to break
GER-asko, to grow old — GR=ZR ذروه old age
GER-on, old age — GR=ZR ذروه old age
★ GNO, to know — GN=ZN اذن ظن to know
★ gi-GN-osco, to know — GN=ZN ظن to know
GORG-os, terrible — GRG=GRZ غرض من to fear a th
GRAI, grey hair, old age — ZR ذرأ to become grey ذروه old age
GOMPHO, to fasten (P) — GM=ZM زم to bind tightly
★ GNA-riso, making know — GN=ZN اذن to know
(اذن is stronger than ظن) — آذن to inform
GNO-sis, discerning — GN=ZN اذن to know
AGKULI-somai, to hold javelin — GKL=ZKL زقله mace vfn.
EIRGO, to separate — RG=RZ رضح to break
AGGELAO, to laugh — AGL=AZL هزل to jest, joke
H³ EPEIGO, to weigh down, — BG=BZ بهظ to overburden
to hurry, to urge — انبر to rush forth بهز to push back
★ GNO-sis, thinking — GN=ZN ظن to think
EGOREO, to accuse — EGR=EZR عزر to blame
MEG-as, splendid — MG=MZ مز excellence
MEG-as, great — MG=MZ مز to overcome
MOG-os, toil, distress — MG=MZ مض to pain, distress
EPEIGO, to urge forward — EPG=EPZ حفز to push f. behind
H_2 PEGE, fount of water — PG=PZ فز to ooze (water)

	spring		فيض abundance, river
	A—GENEA-LOGI-t-os,		GN=ZN ضن race
	of unrecorded family		LG لغا to speak لغه word
	A-GENN-is, of no family		GN=ZN ضن race A, not
	A-GY R-os, not growing old		A, not GR=ZR ذروه old age
★	AGR-os field (euphonic a)		GR=ZR زرع field
	GAR-GARA,, heap		GR=ZR زر to heap
	GEINO-mai to beget		ضنأ to have numerous children
	GEN, to be born		ضنأ to be prolic (woman) i.e. beget
	GUNN-is weakling		GN=ZN ضنى weakness
L_2	GUNI, woman = زن		GN=ZN ضانى prolific woman
	EGG-us, near		EG=EZ ازاء to be near
	FAG-l-os, fearful		FG=EZ فزع to frighten, startle
L_2	LAG-n-os, lustful		LG=LZ لذة pleasure
	LUS-t, pleasure	Eng.	LS لذة pleasure
	GER-asco, to grow		GR=ZR ذرأ to sow, multiply
	GNO-me, feeling		GN=ZN ظن to suspect, know
	GN-os, born		ZN ضانئ prolific woman=begetter
	Kata-GER-asco, to grow old		GR=ZR ذروه old age
	JUBA, mane of horse		JB=ZB ذوابه hanging locks
	PEGA-zo, to spring or gush		PG=PZ فز to leap, to ooze (water)
	PHGA, running water		PG=PZ فاض to flow (water)
			فيض river

K=S

"S is often seen to change into X" (Jesperson P, 199)

eg. SICILY=SAQLIA, CYPRUS=KABRUS

★	IXN-os track	XN=SN سنه track
★	IXOR, juice	IXR=ISR عصير juice
	KAK-os, bad, mean	KK=KS خس to be vile
	KANE-on, bread basket	KN=SN صن basket w. lid
★	KHR, heart (KER)	KR=SR سر heart
★	KIBD-os, dross, alloy	KBD=SBD زبد dross of metals
★	KUN, dog (name after habit)	KN=SN سن to seize w. teeth
	XAREO, to go	XR=SR سار to go
H_2	KANU-mai, to excel,	KN=SN سنى to be high in rank,
	adorn	to ascend صنع to embellish
L_3★	KUON, dog nfv.	KN=SN سن to seize w. teeth

	CYN-ic, dog-like	Eng.	CN سن to seize w. teeth	nfv.
★	SUN-A, dog,	Skt.	SN سن to seize w. teeth	
★	XLAI-no, to warm		XL=SL صلى to heat	
L_2	XRIO, to annoint		XR=SR صهر to anoint	
	CHRI-st, anoínted		CH-R=SR صهر to anoint	
	KAKKH, dung		KK=KS خثى dung	
L_2	KIK-os, strength		KK=SK شوكه power	
	SAK-ti, power (Skt)		SK شوكه power	
H_2	KIKO, to send away, shake off		KK=SK ساق الى to send away سغ to shake	
	XR-os, skin		XR=SR سير leather, skin	
★	XR-oos, complexion		XR=صورة face	
	XEPH-os, sword		XP=SP سيف sword	
★	XEIR-on, bracelet		XR=SR سوار bracelet	
★	KUKUO, to shriek		KK=SK صعق to shriek	
	XALKI-so, to strip		XLK=SLK سلق to peel	
	XOREO, to go away, part		XR=SR سرح to go away	
★	KOMI-aso, to extol, laud		KM=SM اسمى to raise	
★	KIKO, to send away		KK=SK ساق الى to send away	
★	KLA-so twang		KL=SL صل to clash, resound	
★	XLAI-no, to heat		XL=SL صلاً heat	
H_3	XRAO, to declare,		XR=SR صرح to proclaim	
	furnish what is needed		سرح to facilitate صارة need	
	XRI-s-tos anointed		XR=SR صهر to anoint	

S=K

Similarly, K changes into S

★	STERO, to defraud		STR=KTR ختر to be treacherous
★	STERO-mai, to lack		STR=KTR قتر poverty
A—	STIB-os, untrodden		STF=KTF قطف to walk A, not
	SPEUDO, to hasten		SPD=KPD خفد to walk quickly
	SHZ, worm		SZ=KZ قز silkworm gfp
★	SPA-n-is, lack, dearth		SP=KP خف to decrease
H_2	STIEBO, to tread		STF=KTF قطف to walk
	STEP	Eng.	STP=KTP قطف to walk
H_2★	STOIB-azo, to pile up, pack together		STB=KTB قطب to collect قطف to gather

★	SATTO, to tread	ST=KT خطر to walk
★	A=SIT-os, without food	A, not ST=KT قوت food
	SIMO, to bend	SM=KM قمع to bend
★	SEP-t-os, revered	SP=KP خاف to fear
	re-VERE, to fear	VR وهز to fear
	SOR-os, a vessel	SR=KR قرو vessel
★	SPE-os, a cave	SP=KP كهف cave
	STAPHU-l-os, of grapes	KTP قطف to pluck grapes nfv
H_2	SIR-os, vessel, pit	SR=KR قرو vessel قعره pit
	SBE-nnu-mai, to extinguish	SB=KB خبر to be extinguished
	A—SBE-s-tos, inextinguishable	SB=KB خبز to be extinguished
★	ISTA-mai (SED) to stay	SD=KD قعد to sit (hence stay)
★	SITO-somai, to provide w. food	ST=KT قوت food
★	IZO (ISDO) to sit	SD=KD قعد to sit

L, M and N interchange

	DINH, whirlpool	N/M	DN=DM دوامه whirlpool
★	MOMPH-os, blaming (P)	M/L	MM=LM لام to blame
★	MEMPHO-mai, to blame (P)	"	MM=LM لام to blame
★	MOMAO-mai, to blame	"	MM=LM لام to blame
L_2	NOTH-r-os, slothful		NTH=LS لاث to be slow
	SLOTH ENG		(S) LTH=LS لاث to be slow
	OMPHA-l-os, on the navel, boss	M/N	MP=NP ناف to be eminent

Greek Uniliteral Formula

Restore 2 delicate letters to a consonant

	BAI-no, to step, to walk (BA)	B باع to stride
	BA-sis,	B باع to stride, hence foot, basis
L_2	BAI-os, scanty, few	B=F عفا to be scanty
	Few (Eng)	F عفا to be scanty
	BA-so, to bark	B=V عوى to bark
	BOAO, to cry	B=V عوى clamours, shouts
اصل	BO-sko, to feed	B ابا to bring up a child
	(BOT)	↑BT بيت food (wrong root)
	BOMOS (BA) to stride	B باع to stride
	BOI-t-os, noised	B=V وعى clamours, shouts
	DE-os, fear	D هاد to frighten
	DAO, to know	D دهاء sagacity, wisdom
★	A—DEI-os, unassailed	D عدا to leap at, rush, A, not
	AIDEO-mai, to fear	D هاد to frighten
L_2★	EIDO, to see	D عهد to see X ديدن
★	DO-sis, giving	D ادى to pay
H_4★	DAI-os, destructive, hostile, unhappy, knowing	D هد to destroy عدى to be hostile داهيه calamity دهى wisdom

	DAIO, to kindle	D=ض=حضأ to kindle fire
★	DAIO, to divide	D هد to break
	DEI-do, fearful (DIO)	D هاد to frighten
	DEI-m-os, fear (DE-os)	D هاد to frighten
	DEI-n-os, fearful	D هاد to frighten
★	DEI-no, exaggeration	D اعدى to exceed the limit
★	DEUO, to make to flow, wet	D ودى to flow
★	di-DA-sco, to teach	D هدى to show the way
★	di-Do-mi, to give	D ادى to pay
★	DIE-mai, to flee (DIO)	D عدا to run
	D-ios, god	D=ض=ضح sun (sun as god)
	ZE-us, god	Z ضح sun (sun as god)
★	di-DO-mi, to flow	D ودى to flow
★	DIA-so, to pass the noon	D=ض=ضحا forenoon vfn
★	DI-do mi, to give into hand	D يادى to hand down
★	DI-os noon	D ضحا forenoon
	ADO, to sing	D هود to sing
★	DE, whereas	D=Z اذ then, at that time
H_2★	DO, give, do	D ادى to pay, اعد to prepare
	ACH-os, pain	CH=K وخ pain
	CHAI-os, true, genuine	CH=S صح to be true, sound
	CHU, to pour (blood, water)	CH=S شع to be spilt (blood, water)
★	CHA-os, space	CH=S ساحه open space
★	PHI-mi (FA) to speak	F فاه to speak
	GUI-on, limb	G=Z عضو limb
	GA, earth (ncw. قاع place)	G جعجاع earth (contracted form)
L_2	GAIO, to exult	G حجأ to rejoice X joy
★	GEUO, to taste	G=Z حظ to enjoy
	GOAO, to mourn	G جوى to be heart-broken f. grief
	GE-r-os, mournful	G جوى to be heart-broken
	G-oos, lamenting	G جوى to be heart-broken
★	katha-GI-so, to burn	G اج to burn (fire)
★	AUGA-so, to shine	G وهج to blaze
★	GO-nisomai, to contend	G هيج contention
★	epi-kata-GO-mai, to come	G جاء to come
	KUEO, to bring forth, bear	K خوى to beget a child
	KAIO, to burn. KAU-so	K كوه to burn
	KUMA, pregnant (KU)	K عق to be pregnant

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★	eg-KAIA-so, a sore f. burning	K کوی to cauterise
★	EIK-aso, to make like	K قوی to be equal
L_2	EIKO, to be like	K قوی to be equal
★	EQUA-l-ise (Eng.)	Q قوی to be equal
	KUO, pregnant, KUEO	K عق to be pregnant
★	IKO, equivalent to	K قوی to be equal
	KAY-GANOS, fit for burning	(KAIO) K کوه to burn
	KEI-mai to repose, rest	K وقع to be at rest
	KIO, to go	R وقع to walk fast
	KOI, squeaking of young pigs	K قاع to grunt (pig)
	KOI-mao, to fall asleep	K وقع to rest وقعه sleep
	KU-t-os, hollow (KUO)	K خوی to be empty
	KUMA, swelling=pregnant (KUO)	K عق to ba pregnant
	KUMA (KEI-mai) to sleep	K وقعه sleep
	OK-l-aso, to crouch on hams, squat	K قعی to sit on its tail (dog), to squat
★	OXU-r-os, firm (EXO)	K قوی to be strong
	XA-zo: to draw back	K کاع to be deterred f, کیار shy from
	XAI-os, genuine	K قح pure, unmixed
★	XA-os, chaos	K خاویه *chaos*
★	KA-sis, brother, sister	K اخ brother, fellow of a pair, match
	KOI-miso (KEI) to sleep	K وقعه sleep
★	a-dia-LU-t-os, undissolved	L حل to dissolve
★	LAUO, to enjoy	L لها to be glad
★	LU-sis release (LUO)	L حل to set free, untie
★	LUO, to loosen, dissolve	L حل loosening, dissolve
★	eke-LI-sso, to untie	L حل to untie (eke intensive)
★	ek-LUO, to dissolve	L حل to dissolve
★	ELUO, to enfold, roll	L لوی to roll
	EILO, to wind	L لوی to roll
★	ELI-sso, to whirl round	L لوی to roll
	EL-os, marsh	L وحل slime
★	ELEO-sis, a coming	L آل to reach
	ELL-os, young deer	L ایل deer
★	ana-LUO, to set free	L حل to set free
★	ep-EL-us incomer	L آل to reach
★	LU-t-os, untied	L حل to untie
★	ILLO, to roll	لوی to roll

	IL-us, mud	L وحل slime
★	LI-tho-mai, to forget	L لها to forget
★	LUO, lodging	L حل to alight at حله quarter
★	LIA-somai, to incline	L علل to incline to one side
★	LUO dissolution	L حل to be dissolved
★	LU-si:GAM-os, dissolving marriage	L حل to be dissolved GM جمع to unite i.e. marry
★	EX-EILUO, to unfold	L لوى to roll ex=un
★	ne-L-es, without pity	L الى favour, grace, ne not
★	OL-m-os, roller (EILO)	L لوى to roll
★	LAO, to desire	L لهى to love
★	LUO, to be washed by river	L حل to be dissolved
	LA-r-os sweet	L حلو sweet
★	a-MI-ter, without mother	M ام mother a, not
★	MI-nio, to be wroth	M حمى على to be angry w.
	MI-meo-mai, to imitate	M أمه و imitative man vfn
	EMEO, Vomit, throw up	M عمى to throw foam
	MUO, to wink	M مأ و to make a sign w. the head
H_2	MAO, to be eager, to seek	M همه zeal هم to search
	ME-l-as black	M حم to become black
★	MAIA, mother	M ام mother
	MI-m-os, mimic	M أمه و imitative man
★	MUO, to close the eyes	M عمى to be blind
★	NOIA, sagacity	N نهى wisdom
	NA-os, flowing	N عان to flow
★	NAIO, to remove	N نأى to remove
	NEO-mi, to go	N نوى to go off
	NEUO, to bend	N حنا to bend
	NEO, to throw off	N نأى to remove
★	NOO-s, disposition	N نية intention, purpose
	a-pro-NOI-t-os unpremeditated	A not ورا before نوى to intend
	DUS-N-oos, ill-will	DS=SD سد defect N نية intention
H_2★	NOE, to go, come	N نوى to go انى to come
	NEO, to swim	N عان to flow
★	NOE-mai, to intend	N نوى to intend
★	NOI-ma, thought	N عنى to think
	ANUO, end	N عناً shore

★	NOEO, to percieve, remark	N عاين to view	
H_2★	NOEO, think, intend	N عنى to think نوى to intend	
	NEO, to spin	N حنا to twist	
	NOEO, have in mind	N نوى to intend عنى to mean	
	NOIA, purpose, design	N نوى to purpose, to scheme	
	NOO-s, disposed	N نحا to lean towards	
★	NOEO, to understand	N نهيه understanding	
★	NOIA, intellect	N نهى saqacity, wisdom	
	NOO,s mind nfv.	N عنى to mind, intend	
	NA-us, ship	N عان to flow	nfv.
	NAO, to flow, NEO, to swim	N عان to flow	
H_2★	NEO-mai, to go or come	N نوى من to go انى to come	
	NE-os, new, fresh	N نوعه fresh fruit	
	NEUO, to nod, to bow	N نحا to stoop, to bend	
★	NO-s-os,misery, distress	N عنا distress	
	OIN-os, wine	N حانيه wine	
	OINO, to get drunk	N حانيه wine	vfn
	PA, delight	P هفا to rejoice	
★	A-PE-ro, not to be spoken	P فاه to speak A, not	
	PO-t-os, drinkable	P = B عب to swallow water	
	POIEO, to prepare	P=B عبأ to prepare	
★	EIP-ein, to speak	P فاه to speak	
	A-PA-sia, speechlessness	P فاه to speak A, not	
	EP-so, to boil	P فاح to boil	
	PHAI-no,to show, glow	P هف to shine	
	PAU-sco, to show light	P هف to shine	
	PHE-mi-so, to spread	P فاح to spread	
	PHUE, natural break	P فأو cleft, chink	
★	EIP-on, to say	P فاه to speak	
★	PHA-t-os utterable	P فاه to speak	
	PAIO, to throw	P حفأ to throw a.o. down	
	PHUO, to produce a plant	P فاح to be verdant (spring)	
★	EPEI, after that	P ف after, and then	
★	EP-os, word, saying	P فاه to speak	nfv.
★	EPO, to say	P فاه to speak	
	EP-so, to boil	P فاح to boil	
	PI-no, to swallow	P=B عب to swallow water	

	PHA-os gleaming	P هف to shine
★	PAI-deno, to bring up a child, to rear (PAI-s)	P=B با! to be a father to bring up a child (رباه)
★	POIEO, to preserve	P عافى to preserve
★	POU, large no. of people, flock	P فئة party of men
★	APOI-na, price paid	P عفوة blood-price
H_2★	PI-on, fat, wealthy	P عفى thick عفو excess of wealth
	PI-no, drink (PO)	P=B عب to swallow water
	POA, grassy place, grass	P=B اب meadow, grazing
★	PUO, to hear	P=V وعى to hear
	PHAI-os, dusky, grey	P عفاء dust
	PHA-os, light	P هف to shine
★	PHE-mi, (PHA) to say	P فاه to speak
	PAIO, to strike	P وحف to strike w. a stick
	REO, to flow, to stream	R هر to flow
★	REO, to run	R هرع to run, hurry
H_2★	ORAO, to look, regard	R رأى to see رعى to regard
★	OREO-mai, to watch	R رعى to watch رعيه watch
	EAR, spring راع thrive	R ريع abundance of vegetation
H_2	ek-R-oos, flow out, fall	R هر to flow هار to fall
★	ORAO, to think, see	R رأى to think, see
★	epi-kata-RREO, to fall	R هار to fall
★	OUR-os, watcher	R رعى to watch
	ROI-seo, to shriek	R عر to cry
★	OURI-so, to blow wind	R راح to blow (wind)
	EUR-us broad	R واره broad روح to be wide
	ER, spring	R راع to thrive (plant)
★	ERI-on, mound, tomb	R ريع elvated hill
★	ORO-mai, to keep watch	R رعيه watch
★	RAAI, to break, shatter	R هار to break into pieces
★	ROO-mai. to move w. speed	R هرع to flow quickly, run
	R-oos, flow, stream	R هر to flow
★	OUR-os, watching	R رعيه watch
	ARE-t-os, virtue	R ورع to be pious
★	OUR-os, fair wind	R روح breeze
★	RAI, to break, shatter	R هار to break into pieces
H_2★	REO, to drop, perish, flow	R هار to fall, crush هر to flow

	ASO, dry	S صوح to dry
★	A-IS-os unequal	A not S سیئی equal
	SOO-s, living (SAO)	S عاش to live
	SEIO, to shake	S صوع to shake (wind-plants)
★	So-so, to heal	S اسا to heal
★	SEO-mai, to rush	S سعی to run
	SEI-st-os, shaken	S صوع to shake (plants-wind)
★	SI-so, to hiss	S حس low voice
★	SO-E, wretched	nv. S سوء wretched ساء be bad
	EI,mi (ES-mi) to exist	S عاش to live
★	EI-mi (I) to live	I=Y حیی to live
★	EIS-os, alike equal	S سیئی equal
★	ISOO, make equal	S سوی to be equivalent to
	OSIOO, to dedicate	S صاع to separate (transf.)
★	AIS-so, to rush	S سعی to run
★	SO-so, to live	S عاش to live
	SI-so, to set on	S صاع to incite one against other
★	SU-t-os, rushing	S سعی to run
★	OSI-os immense	S وسع to be ample
★	SEUO, to run	S سعی to run
★	SI-zo, to hiss	S حس low voice
	SO-zo (So-s) safe & sound	S صح to be sound
	CHAI-os, true, genuine	CH=S صح to be true, sound
	CHU, to be shed (blood-water)	CH=S شع to be split (blood-water)
★	CHA-os, space	CH=S ساحه space
	SO-os sound, whole	S صح to be sound, healthy
	THE-sis laying, putting	T حطأ to place, put
	THEO, to run ek-THEO, run	T حتا to run
★	TI-no, to give, pay	T اتی to give
★	AT-I, bewilderment	T تاه to be bewildered
	ATU- somai to bewilder	T تاه to be bewildered
	THEO-mai, to examine, look	T حوطه wariness [transf.]
	TITH-eme (THE) to put	T حطأ to put
★	ek-TA-sis stretching	T طحا to stretch
	TA-sso, to place	T حطأ to place, put
	TU-no (TUO) to get ready	T تاح to be prepared for a th.
	ETI-m-os ready	T تاح to be prepared

	THU-m-os, ready	T تاح to be prepared
★	THAO-mai, to wonder	T تاه to be bewildered
	THAO, to suck	TH=S حسا to suck little by little
	THEI-no, to strike	T هتأ to strike a. o. w.
	THOA-so, to run, hurry	T حتا to run
	THOI-ne, to eat	T هتأ to eat
★	OA (VAE) woe	V ويح woe
	XEO, to let fall	X=S شع to spill
	XEO, to smooth by scraping	X=S سحا to scrape off
	XUO, to scrape	X=S سحا to scrape off
	ZEO, to bubble	Z هزة bubbling of pot
★	IZO, to place, take up position	Z وضع to place وضع posture
	ZE-teo, to seek for	Z=S اسعى to seek

Greek—Cypher Formula

The word contains vowels only. Reconstruct the Arabic root by following the sound of the word. The Arabic root must contain 3 of the delicate letters viz.

(ع - ا - ه - ح - و - ى) which have changed into vovels.

★	AIO, to hear	وعي to hear
★	AIO to breathe	آه to sigh
★	AIO-n, period of existence	حيى to live
★	ASTHMA (AO) to blow	هوى to blow (wind)
	AU-teo (AUO) to cry	عوى to howl
★	AU-TMI (AI-mi) breath	آه to sigh
	AUO, to shout	وعى shouts
★	AUO, to dry	هوى to expose to air
★	AO, to satiate, fill	اوعى to store up
★	AO-on, living	حيى to live
	AEI, ever	حى life
	ak-OUO, to hear	وعى to hear
	AUO, to light	آيا sunlight
H_2★	E-os, his, her	هو he هى she
	AIA-so, to cry, howl	عوى to howl
	EU, well, happy	هاء to rejoice
	UO, to rain	احيا rain
	ZAO (AE) to live (Z = Y)	حيى to live

HOI-os, morning.		ایا sunlight, (whence morning and East)	
east (EOO-s)			
EA-st	(ST)	ایا sunlight	
OU-s, ear		وعی to hear	nfv.
IUO, to howl		عوی to howl	

Greek Triliteral Metathesis

Transpose the 3 consonants

	DAKRU, tear, drop	TKR=KTR قطره tear	
★	THRUP-to, crush in pieces	TRP=RPT رفت to break in pieces	
★	KRUP-to, to hide	KRP=KPR غفر to hide	
★	OLISTHA-no, to slip	LST=SLT زلت slip	
	NARKI, torpid, insensible	NRK=RNK رنخ to be languid	
	PTUO, to spit	PT=TP تف to spit	
	SMAO, to wipe	SM=MS مث to wipe	
غ	TREXO, to run	TRK=KTR قطر to run	
	ARRIX-is, wicker basket	RKS=KRS خرص basket	
	ATRAK-t-os, arrow	TRK=KTR قتر short arrow	
★	BLAKEIA, laziness, slackness	BLK=LKB الغب weariness	
	BROX-os, noose	BRK=RBK ربقه noose	
★	BRUXO, eat greedily	BRK=RKB رغب to be gluttonous	
★	BURSA, skin stripped off	BRS=BSR بشر to peel بشرة skin	
	BOUKLEO, to cheat	BKL=KLB خلب to deceive	
L_2	SKOP-to-mai, to jest	SKP=KPS خفس to *scoff*	
	TROX-aso, (of horse) - trot	TRK=KTR قطر to run (horse)	
★	PEX-us, cubit	PK=KP كف hand up to wrist	
★	PLA-SI-os, fold	PL=LP لف to wrap	
	DRAK-on, huge serpent	DRK=KDR قدار large snake	
	DRAK-onto-MALL-os, with snaky locks	DRK=KDR قدار large snake ML=LM لمه lock of hair	
L_2ن	★KOLEB-aso, to swallow	KLF=LKF لقف to swallow	
★	GULP, to swallow (English)	GLP=LGP لقف to swallow	
	KRUPI-as, a loaf	KRP=RKP رغيف loaf.	
★	EIRGO, enclosure	ERG=EGR حجره enclosure	
	SPAO. to draw	SP=PS فص to pull out	
★	TOLPEUO, to wind	TLP=PTL فتل to twist	
	EM-PUK-aso to wrap	PK=KP كف to wrap	
★	ELUGE, to shadow	LG=LZ=ZL ظل shadow	
★	KRUP-to, to conceal	KRP=KPR كفر غفر to conceal	
★	PERK-aso, to turn dark	PRK=KPR كفر darkness	

	PTU-so, to spit	PT=TP تف to spit
L_4	ISXO, dry	SK=KS قش to dry
	SUCC-is, dry (Latin)	SC=CS ,,
	KOSHI-dan, to dry (Persian)	KSH ,,
	SUKH-na, to dry (Hindi)	SK=KS ,,
★	KARDO-p-os, kneading trough	KRD=KDR قدر urn
★	KRUPHE, concealment	KRP=KPR كفر to conceal
	SKOP-to, to jeer	SKP=KPS خفس to scoff
★	BLAKEO, to be slothful	BLK=LKB لغب weariness
H_2	KLAZO, to scream, make a sharp piercing sound	KLS=SLK سلق to scream صلقع to give a sharp sound
	KLOZO: to croak	KLS=SLK سلق to scream
	KOLPO, to bosom or swell out	KLP=PLK فلک have rounded breast
★	KOPR-os, dung K/S	SPR=PRS فرث dung
★	KRUP-to, secretly	KRP=KPR كفر to conceal
	KOD-on, a bell	KD=DK دق to strike (clock) nfv.
	KODO-ni-so, prove by ringing	KD=DK دق to strike (clock)
	LAKA-so (LASKO) to shout	LSK=SLK سلق to shout
	LAKI-so (LASKO) to tear	LSK=SLK سلق to pierce
	NARKH, numbness	NRK=RNK رنخ to be languid
	PLAG-os, side	PLG=LGP لجيفه side of door
ن	REGKO, to snore (K doubled)	RK=KR خر to snore
★	SKUL-on, skin, hide (NV)	SKL=SLK سلخ skin of slaughtered animal
★	SKUT-os, skin (NV)	SKT=KST كشاط skin
	BURSA, skin (NV)	BRS=BSR بشرة skin
	SPASMA (SPAO) to pull	SP=PS فص to pull out
★	TRUPH-os, broken off	TRP=RPT رفت to break in pieces
	PHTHEGGO, cry, creak	PTG=PGT فخت to coo
★	TRIBEO, to waste	TRB=TBR تبر to ruin

Biliteral Metathesis

Transpose the 2 consonants and restore a delicate letter

	GLO-ssa, tongue	GL=LG لهجه tongue
	AGNI-so, to cleanse	GN=NG نقی to cleanse
	AGNO-RU-t-os, pure flowing	نقی pure R هر to flow
H_2	PL-oos, covered, sailing	PL=LP لفع to cover حفل to flow
	ROTH-os, dashed by sea	RT=TR تار to dash (waves)
L_2	TUP-to beat	TB=BT هبط to beat

	BEAT, (English)	BT هبط to beat
	DIER-TOMEO, cut the throat	DR=RD ردع neck طم to cut
	LITHO, stone TH/S	L—TH=LS=SL صلع stone
★	ALTHO-mai, to become sound	L—TH=LS=SL صلح to become sound
	SKAI-so, to cast shadow	SK=KS عكس reflection
H_2	SPAO, tear, drag	SP=PS فسأ to slit فص to pull
L_2	MEL-os, limb	ML=LM لحم to solder
	LIMB (B) (LIM)	LM لحم to solder
★	PHERO, tolerate, suffer	PR=RP رفع to carry, lift
★	PHERO, carry	PL=RP رفع to carry, lift
	TOLE-r-ate Eng.	TL تل to carry, lift (weight)
★	APHIL-AGATH-os,	PL=LP الف to love
	loving the good T/D	GAD جاد to be good
★	A—PHIL-os, without friend	PL=LP الف friend A, not
★	BASI-le-us, king,	BS=SB صاحب master
	master, householder	owner, governor
★	DAK-tulus, finger (DIGI-T)	DG=GD عقده finger joints
	DERH, neck (H)	DR=RD ردع neck
	DEKA, ten	DK=KD عقد number 10 to 20
★	SCEUO-so, to dress, equip	SC=CS كسى to clothe
	SPA-so, cleft, opening	SP=PS فسأ to slit
	TIENO (TEN) to stretch	TN=NT نطا to stretch
	KNAO, to scrape off	KN=NK نقح to pare off
	SURO, to drag	SR=RS رعص to drag
L_2	ENEPO, voice, sound	NP نوف sound
اصل	PHONE(English) ↑ فاه	PN=NP نوف sound
	TANUO, stretch, tie tight	TN=NT نط to stretch and tie
	EPI-GLO-ssao-mai, ill language	GL=LG لهجه language
	PTHO-neo, to bear grudge	PT=TP تفئى to be angry
★	PHOREO, to lay over	PR=RP رفع to lift
★	PHOR-os, carrying	PR=RP رفع to carry
	PHORO-neo, to be shrewd	PR افر to be quick
		فره to be expert
	KRE-ne, watered	KR=RK ريق water
L_2★	PHILEO, to love	PL=LP الف to love
★	LOVE (LUF-en) (Eng)	LF الف to love
★	PHIL-os, dear	PL=LP الف to love

★	SKI-aso, to cover	SK=KS غشی to cover
★	XRU-sso, overlay w. gold leaf	KR=RK ورق leaf vfn.
★	XRO, to colour	KR=RK ایراق to be coloured
L_3	KELAI-n-os, black	KL=LK حلک to be black
	BLACK (English)	(B) LK حلک to be black
	KAL-a, black (Hindi)	KL=LK حلک to be black
	KER-as, horn	KR=RK روق horn
	KNI-zo, to scrape	KN=NK نقح to pare off
L_2	KRA-NA-os, rocky, rugged	KR=RK رغوه rock
	ROCK (English)	RK رغوه rock
H_2	KRE-as, piece of meat,	KR=RK عرقه piece of meat
	a body	عرق body, روق body
	KREE-DOK-os, containing flesh	عرقه + DK دک to fill up
	KREO-KOP-os, flesh cutter	عرقه + کاف to cut
	KULL-os, bent, crooked	KL=LK لوق to bend, twist
	KURI-sso, butt w. horns	KR=PK روق horn vfn.
	LAIM-os, gullet L/R	RM=MR مری gnllet
★	LISSO-mai, to beg	LS=SL سأل to ask سائل beggar
★	LISS-os, smooth	LS=SL سهل smooth
	LIS-tron, tool for levelling	LS=SL سهل to level (the ground)
	LIT-os (LISSO) smooth T/S	LS=SL سهل smooth
★	LITO-mai (LISSO) entreat	LS=SL سأل to beg
	LOXAO, ambush, lie in wait	LK=KL کلی to come to a secret place
	LOXE-os, ambush	کلی to come to a secret place
	MALL-os, lock of hair	ML=LM لمه lock of hair
H_2	MANUO, reveal,	MN=NM نمی to report a th.
	inform against	to, نم to relate talks malevolently
	MUEL-os, marrow L/R	MR=RM رم marrow
	MUTH-os, told by mouth	MT=TM تم mouth vfn.
	MUKH-s, mushroom	MK=KM کم mushroom
★	PHILIA, friendship	PL=LP الف friend
	PELLA, milk pail, wooden bowl	BL=LBعلبهwooden vessel for milking
H_2	SURO, to drag, to tear	SR=RS رعص to drag RSحرصto tear
L_2	PIL-os, hair, wool	BL=LB هلب hair
	BAL, VAL, hair (Hindi)	BL=LB هلب hair
★	PORO, offer, bring	PR=RP رفع الی to present to
★	PUX, clenched fist	PK=KP کف fist

★	RIZA, a root	RZ=ZR ازر root
	ROTHEO, to dash (waves)	RT=TR تار to dash (waves)
	ROTHI-aso, to make a guttling noise	RT رط to shout or تعر to vociferate
	SKIA, shadow, one's double	SK=KS عكس reflection
	SME-xo (SMAO) to wash	SM=MS ماص to wash
H_2	SMAO, to wipe, wash	MS مث to wipe ماص to wash
	SMO-xo (SMAO) rub, grind	SM=MS معس to rub, grind
L_2★	TEG-os, covered part	TG=GT غطا to cover
★	TEGO, to cover (Latin)	TG=GT غطا to cover
	TAN, to stretch	TN=NT نطا to stretch
★	PHIL, wilfully	PL=LP الف to love, wish
L_3★	PHILE-r-os, prone to love	PL=LP الف to love
	LOVE (LUF-en) Eng.	LF الف to love
	LIP-tor, lover, (German)	LP الف to love
H_3	PHLAO, eat greedily,	PL=LP لفع to eat much
	crush, pound, bruise	PL فل to notch فلع to split
	MELI, honey	ML=LM لعام spittle
	cf. لعاب النحل — مجاج النحل	spittle of bee=honey
L_3	MUS, mouse Greek	MS=SM شيام mouse
	MOOSH, mouse Persian	MSH=SHM شيام mouse
	MOUSE Eng.	MS=SHM شيام mouse

N.B. Skeat bases MOUSE on the sense of stealing according to Sanskrit notion i.e. MS مشع to steal. I respectfully differ from Skeat in giving the root which is not based on a metaphor i.e. Stealer= mouse. Anyway, I have given both the roots.

Greek Prosthesis

Remove the first consonant and apply one of the 4 basic formulas

A—BROX-os, unwetted	(B) RK عرق moisture
BASAN-os, touchstone	(B) SN سن to whet nfv
BASANI-so, to rub	(B) SN سن to whet
BIBAO, to stride (BA)	(B) B A باع to stride
BOTR-os, lock of hair	(B) TR طره lock of hair
BARGK-os, hoarse	(B) RK حرق to rub, file
BRAK-os, scanty	(B) RK ر ک to be scanty
BROXO, to roar	(B) RK رغا to roar

	BRE-mo, to shout	(B) R عر to cry
H_2	BREXO, to wet, to rain	(B) RK عرق moisture روق rain
	BRUXA-mai, to roar	(B) RK رغا to roar
	BRAXO, to gnash the teeth	(B) RK حرق to gnash the teeth
	BUBL-os, papyrus	(B) BL عبل to strip leaves nfv
L_2	PLOK-os, curl of hair	(P) LK حلقه curl
	LOCK, curl Eng.	LK حلقه curl
	PLOK-M-os, curly hair	(P) LK حلقه curl M مائعه hair
	PIPTO (PET) fall	(P) PT هفت to fall
	PSAO, to wipe, rub	(P) SA سحا to scrape off
★	PSEUDO-mai, be cheated	(P) SD=KD خدع to deceive
	PSILO, to strip bare	(P) SL شلح to strip off clothes
★	PREP-O, prominent	(P) RP رفع to lift, extol
	PHLEGO, to burn	(P) LG العج to burn (fire)
★	PHADRU-no, to brighten	(P) DR در to shine
	PHOBEO, to affright	(P) HB هاب to frighten
	PHOB-os, frightful	(P) HB هاب to frighten
★	PIPRE-mi, to set on fire p/v	(P) VR ورى to be kindled (fire)
	PLEKO, to plait, twist	(P) LK لوق to twist
	PHLEGO, to kindle	(P) LG العج to stir fire
L_2	PIMPLE-mi, to fill (PLE)	(P) PL حفل to fill
	PLEKO, interweave	(P) LK لوق to twist
★	PSALLO-mai, to resound	(P) SL صل to resound
★	PSEUDO-mai, to be spurious	(P) SD=KD خدع to deceive
	PSUXO to cool, chill	(P) SK صقع to be cold, chilled
★	PSEXO, to rub, pound	(P) SK سحق to soften by rubbing, ponn
★	PSEK-aso, to wet	(P) SK سقى to water
	PSAO, to strike w. hand	(P) S خس to curry (a beast)
★	PSEPI-somai, to vote	(P) SP صفا to take the best of
★	PELAGI-os, of sea	(P) LG لج main sea
	DIDO-mai, to give by hand	(D) D يادى to hand down
	DROSS-us, dew	(D) RS رش sprinkle a fine rain (sky)
	GIG-no-mai, to go	(G) G جاء الى to go جحا to walk
★	GIGN-asco, to discern	(G) GN=ZN ظن to know
★	GNA-riso, make known	GN=ZN ظن to know
	GUGGUL-us, round	(G) GL اجال to wheel about
★	HPIER-os, continent, land	(H) BR بر continent, land
L_2	HPREP-os, cheat	(H) PRB=VRB ورب to deceive

	FAREB, deceit (Persian)	FRB=VRB ورب to deceive
L_2	KOMH, hair of head × مو	(K) M مائعه hair, long forelock
★	LHN-os, tub H/A	(L) AN انا vessel
★	LHN-os, wool	(L) HN عهن wool
	LHR-os, silly talk	(L) HR هرا foul speech
★	MAMMA, mother	(M) M أم mother
★	MASTI-zo, to whip	(M) ST ساط to whip
	MAMMAKU-th-os, simpleton	(M) MK حمق to be stupid
	MERMI-ri-so, be full of care	(M) RM رم care
L_2	MEST-os, full, Sate	(M) ST شحط to fill × SATE
	MOLIB-os lead	(M) LB علابی lead
	STROPO, turn, change	(S) TRP طرف to drive back طرف changing
★	SKINI, to encamp.	(S) KN كن house, abode
H_2 ★	SKENOO, to lodge, rest	(S) KN كن honse كنه rest
★	SKENO-mai, to veil	(S) KN كن veil
	SKEP-to, to hurl, fall suddenly	(S) KP كفأ to repel, upset
	SKLE-nai, to dry	(S) KL قحل to become dry
	SKOPEO, to look	(S) KP كفأ to watch
★	SKUTHE-so, to be shaved	(S) K-TH=KS قص to cut off (hair)
L_2	SKOPSO-mai, to jeer	(S) KPS خفس to scoff
	SCOFF, ridicule Eng.	SCF=CFS خفس to scoff
★	SMIK-ru-no, to diminish	(S) MK ماق محق to decrease
	SPAR-asso, to tear	(S) PR فری to rip off
	SPENDO, to pour (N)	(S) PD افاض to pour
★	STERGO, to reject	(S) TRK ترک to abandon
L_2	STOMA, mouth	(S) TM تم mouth
	MOUTH Eng.	MT=TM تم mouth
	A-PRO-SKOPEO, unforeseen	A not ورا before (S) KP كفا to watch
L_2	SKAP-to, to dig كاویدن كافتن كابیدن	(S) KAB قاب to dig
	SKALLO, to hoe	(S) KL قلع to uproot, undress
	SKEL-es, dry	(S) KL قحل to dry up
	SIES-t-os, shaken	(S) S صوع to shake
	SMEXO, to rub	(S) MK محق to erase
	SMILEUO, to polish	(S) ML عمل to shine
	SPAR-asso, to rend	(S) PR فری to rip off
	SPAS-ma, gap	(S) PS فضی to be empty
★	SPOUDA-so, to do anxiously	(S) PD فاض فی to engage in

	SQUAT, to sit	(S) QT كعت to sit
	STEPHO, wreathes	(S) TP طهافه lock of hair
	ESXARA, hearth	(S) KR عقر hearth
★	SKEPO, to cover	(S) KP خفا covering, veil
	SKEP-sis, inspection	(S) KP كفأ to watch
	SKEP-to, to lean upon	(S) KB قبا to bend
	STELLO, to send	(S) TL طلع to go (i.e. make to go)
	STENO, to groan	(S) TN طن to buzz, tinkle
★	STEPHO, to surround	(S) TP طاف to go round
	STEPH-os, brimming high	(S) TPH طفح to fill to brim
	STOMI-so, to put on the mouth piece	(S) TM تم mouth vfn
	STRA-teia, march	(S) TK طر to pass by
	ISXUO, to strengthen, prevail	(S) K قوى to be strong, overcome
	STOR-on, tire of wheel	(S) TK اطار ring, circle
	SKELLO-mai, to be a skeleton	(S) KL قحل to dry up
★	SKEDUA- nnu-mai, to sprinkle	(S) KD قض to sprinkle
	SKOPEO, to view clearly	(S) KP كفأ to watch
★	SPATALAO, to live wantonly	(S) BTL بطل vanity vfn
L_2	SPER-XO, to urge	(S) BR ابر to spur
	SPUR Eng.	(S) BR ابر to spur
★	SKE-t-os, held back	(S) K عاق to turn away
★	SKEMA-ti-so, invest w., conform	(S) KM قوم to set up قاوم be equal to
	SARAX-os, meat	(S) RK عرقه piece of flesh
	SKELLO, to dry	(S) KL قحل to dry up
	KEL-os, dry	KL قحل to dry up
L_2	SKEL-os, anklet	(S) KL كاحل ankle
ن	ANKLE Eng (N)	KL كاحل ankle
	SKOPEO, to observe	(S) KP كفأ to watch
★	STEPHO, to encircle	(S) TP طاف to go round
	A-SKOP-os, not to be seen	(S) KP كفأ to watch A, not
H_2	A-SKETH-os, unhurt without blast t/d	(S) KD كده to bruise كدأ to be blasted by cold
L_4	ASTAR, star, gliltering	(S) TR طر to shine (star)
	AKHTAR, star (Persion)	(K) TR طر to shine (star)
	STAR Eng.	(S) TR طر to shine (star)
	TAR-a, star (Hindi)	TR طر to shine (star)

A-STOM-os, without mouth	A not (S) TM تم mouth
STON-axeo, to sigh	(S) TN طن to buzz, tinkle
SPRAG-os, thundering	(SP) RG رغا to rumble (thunder)
TOXEO, to shoot arrow	(T) X=KS قوس to shoot
TRAGO, to nibble	(T) RG رجه to seize w. teeth

Prosthesis with Metathesis

L_4★STEGA-so, to uncover	S=ex TG=GT غطا to cover
TEGO, to cover (Latin)	TG=GT غطا to cover
DHAK-na, to cover (Hindi)	TK=KT غطا to cover
KAT, to cover (Aryan)	KT غطا to cover (earliest root)
★ STEIXO, to go	(S) TK=KT خطا to step, walk
★ STIX-os, line, verse	(S) TK=KT خط line
STIK-t-os, spotted	(S) TK=KT خط mark
KUKL-os, circle	(K) KL=LK حلقه ring, circle
KUKLEO, to go round & round	(K) KL=LK حلق to circle in the air

Toning up

1. A, H and K are gutturals and they interchange. Therefore A or H represent K. But when K changes into A it may be lost. Hence, "when a word travels far, the initial K is lost" (Skeats' Dictionary of English Etymology under the word APE=KAPI)

2. some people have an aversion for a guttural sound and they simply drop it :—

وكلنا يعلم ان العين وكل حرف حلقى يسقط من لغات الغربيين

"And we all know that AIN (ع) and every guttural letter is deleted in the languages of the Western people"
(نشوء اللغت العربيه ٥٦)

3. This aversion for guttural sounds, sometimes changes a guttural into a labial eg. PEEK=PEEP, GALL=FEL
4. Also, on account of this aversion K is sometimes changed into S (see the foregoing equation K=S under the Biliteral Formula

a) In the following words restore the lost initial K

★ PHU-l-os, watcher	P=KP كفأ to watch

	DAR-tha-no, to sleep	DR=KDR خدر to be benumbed
★	NUM-b Eng.	NM نام to benumb, to sleep
	LAMBA-no, to take (M)	LB=KLB قلب to catch, handle
	a- PO-n-os, without toil	P=KP قفع toil, fatigue
	PO-neo, fatigue	P=KP قفع fatigue
★	R-asso, to knock	R=KR قرع to knock
	RU-tis, wrinkle	R=KR غر wrinkle
	BI-os, a bow	B=KB قبا to bend
	DRAO, to sleep	DR=KDR خدر to benumb
★	DA, thick	D=KD عقد to thicken
	DEI, to fetter, to bind	D=KD قيد to fetter, to bind
	DE-on, binding	D=KD قيد to bind
	DE-s-ma (DEO) fetter	D=KD قيد to fetter
	ek-DEO, to fasten	D=KD قيد to bind
	DEO, to stand in need	D=KD كدى to beg alms
★	DRAMA (DRA) deed, do	DR=KDR قدر to be able to
★	LOXEO, to be born, bring forth	LK=KLK خلق to create
★	LOGI-so-mai, to compute	LG=KLG خلق to take the measure of
L_2	PENI-so-mai, to spin	PN=KPN كفن to spin
	SPIN Eng. S/K	SPN=KPN كفن to spin
★	PILEO, to kiss (PHILEO)	BL=KBL قبل to kiss
	LEP-sis, seizing	LB=KLB خلب to catch w. claw
★	LUPEO, to annoy, offend	LP=KLP كلفه trouble
	a-PO-n-os, non-exertion	P=KP قفع toil a, not
	NEUO, to make a sign	N=KN كنا to allude to
	NEPH-l-os, clouded	NP=KNP قنيف rain-cloud
	NUMPHI-di-os, veiled, bridal (M)	NB=KNB قنبع to conceal
★	LABEIA, circumspection	LB=KLB قلب to ponder over
L_3	ZOPH-os, darkness	SP=KSP غسف darkness
	KASHAP, night (skt).	KSP غسف darkness
	SHAB, night (Persian)	SP=KSP غسف darkness
★	TAPH, amazement	TP=KTP خطف to dazzle
★	DE-S-mos, tie, magic knot	D=KD عقد to tie, عقده knot
	DEO, to bind, imprison	D=KD قيد to bind, fetter
	DEO, to need, to want	D=KD كدى to beg alms
★	DUO, to sink, set (sun)	D=KD خدع to sink, set (sun)
	LEP-t-os, to seize suddenly	LB=KLB خلب to clutch (prey)

★	NAI, to make to dwell	N=KN كن dwelling, house
	NEO, to make a sign w. the head	N=KN كنا to allude to
	NAIO, to be full	N=KN قنع to be full
L_3	MUIA, fly	M=KM قمعه large fly
	MAKKHI, fly (Hindi)	MK=KM قمعه large fly
	MAG-as, fly (Persian)	MG=GM قمعه large fly
	LABE, grip or hold	LB=KLB قلب to catch
★	LAMBA-no, grasp seize w. mind (M)	LB=KLB قلب to catch, handle ponder over
	LA-os, people, men, soldiers	L=KL قله party of men
	LAPHU-sso, to be a glutton	LP=KLP قلفع eat-all
★	LE-os, entirely	L=KL كل all
	LEI-as, taken prisoner	L=KL كلا to imprison
★	LEP-so-mai, to seize	LB=KLB قلب to handle
	NEPH-os, mass of clouds	NP=KNP قنيف rain-clond
	NUMPHEI-os, nuptial (NUBO) to veil	NB=KNB قنبع to conceal
	NU-os, daughter-in-law	N=KN كنه daughter-in-law
	PO-neo, to toil, wear out	P=KP قفع toil, fatigue
L_2★	POR-t-is, calf, hiefer	PR=KPR غفر calf
★	HIEFER Eng.	HFR=KPR غفر calf
L_2	RHG-os, rug of course hair	RG=KRG خرقه coarse cloak
	RUG Eng.	RG=KRG خرقه coarse cloak
★	kata-DUO, to sink or set	D=KD خدع to sink, set (sun)
	PO-neo, to labour	P=KP قفع toil, fatigue
	TULH, any callous lump	TLH=KTLH كتله lump of clay
★	PHIALLO, to undertake a th, to set about a th.	BL=KBL قبل to undertake, to set about, be busy
	PHRAG-ma (PHR-asso) defence, enclosure	PR=KPR خفر to defend, to wall (a town)
★	PHROU-ra guard, watch	PR=KPR غفر guard, night-watch
	PHO-n-os, work	P=KP قفع toil
ن	PHORIA-m-os, coffer	PR=KPR قفوره large basket
L_2	COFFER, basket	CFR قفوره large basket
L_2	LOXEU-t-os, born	LK=KLK خلق to create
	LOK, people, world Skt.	LK=KLK خلق people, creation

N.B. Root of LOK is unknown to Sanskrit scholars.

(b) Initial vowel represents the lost initial K

	OP-us, eye	OP=KP كفأ to watch nfv.
	ALS, sea	ALS=KLS قلاس raging sea
★	AINEO, to be content	AN=KN قنع to be content
L_2	AINI-sso-mai, to hint	AN=KN كنا to hint
	HIN-t Eng	HN=KN كنا to hint
★	AIRE-sis, choosing	AR=KR خار to choose
H_2★	AIREO, to choose, overpower	خار to choose قهر to overcome
	AISA, decree, lot	AS=KS قضا decree, fate
	AITEO, to beg t/d	AD=KD كدى to beg alms
	ALI-so, to pickle	AL=KL خل vinegar
L_2	ALL-as, sausage	AL=KL خولع pickled meat
	PICKLE Eng.	(P) KL خولع pickled meat
	AMAW, to cut, to reap	AM=KM كمع to cut
★	AMILLA (AMA) contest	AM=KM قاوم to oppose
	AS-is, mud	AS=KS كثعه mud, slime
H_2★	APHA-ni-so, conceel, destroy, raze to ground	AP=KP خفى to conceal خفأ to destroy, throw down
★	APHA-ni-sis, disappearance	AP=KPخفى to disappear
H_2★	APHHAO, to handle, polish, rub	AP=KP كف handle خفا to shine-hence polish, rub
	IPP-os, horse	IB=KB قب horse
	IPPEUO, to ride	IB=KB قب horse vfn.
	EPHEIR$_O$O, to make dry land of	EPR=KPR قفر waterless desert
★	EDA-p-os (OUD-os) foundation	OD=KD قاعده foundation
★	ED-os seat	ED=KD قعه to sit
	ALLA-sso, to exchange	AL=KL قايل to give in exchange
★	ED, to seat	ED=KD قعد to sit
H_2	EIL-or (EILO) close coverlng, shelter for ship	EL=KL كله veil كلا to bring a ship ashore
★	EIL-ARX-es, commander of troop of horse	RK روق chief EL=KL خيل troop of horse
	EILU-os, lurking place	EL=KL كلى to come to a secret place
★	EI-ma (ENNU-mi) cover, cloth	EN=KN كن to cover, conceal
★	ELA-sso, to lessen	EL=KL قل to be small
	ELAPH-r-os, light in weight	ELP=KLV قلو light P/V
★	ELI-nno, to keep holiday	EL=KL خلاعن to be free f.

★	ELPI-so, to think, deem	ELB=KLB قلب to ponder over
	ERO-mai, to inquire	ER=KR قرا to pursue
	OIDEO, to swell	OD=KD غد to be swollen
★	OD-os, going	OD=KD غدا to go
L_2★	EMUO, to bend	EM=KM قمع to bend
	KAMPO, to bend (P)	KM= قمع to bend خميدن
	ITHU-no, to guide	IT=KT ختع to guide
★	EPO-mai, to follow	EP=KP قفا to follow
	OP-sis, view	OP=KP كفأ to watch
	OM-os, uppermost part, shoulder	OM=KM قمه top
	OPAO, to watch	OP=KP كفأ to watch
★	OPHELEO, to aid	OPL=KPL كفل to be a fosterer
	OPHEL-ma, to store	OPL=KPL قفل to store
	ERAO, to love	ER=KR غرى to desire
★	ERB-os, dark	ERB=KRB غرب to set (sun)
	ERE-tuo, to check, restrain	ER=KR اقرع to check (a horse)
	AMUD-r-os, dim	AMD=KMD اخمد to allay (the flame)
L_2	ERI-th-os, hired labourer	ER=KR كرى to hire
	HIRE Eng.	HR=KR كرى to hire
L_2	ERI-so, to quarrel	ER=KR غارى to quarrel
	QUARR-el Eng	QR غارى to quarrel
★	ERIPH-os, young goat	KRP=KPR غفر young goat
★	EREM-n-os (EREB-os) dark	ERB = KRB غرب to be black
	ERO-mai, to ask after	ER=KR قرا to pursue
	ER-os, desire	ER=KR غرى to desire
	ERA-mai, to love, desire	ER=KR غرى to desire
	IPP-os, horsed	IB=KB قب horse
L_2	EPSIAO-mai, to scoff	EPS=KPS خفس to scoff
	SCOFF Eng.	SCF=CFS خفس to *scoff*
★	ID-ruo, to sit, found	ID=KD قعد to sit قاعده foundation
H_2★	ILA, crowd, troop of horse	قله crowd خيل troop of horse
	IPOO-mai, to be weighed down	IB=KB كب to be burdensome
H_2	IP-os, trap, weight	IP=KP كفه net كبه burden
★	IPP-AGO-g-os, bringing horse	IB=KB قب horse اجاء to bring
	IPPA-so-mai, to drive horses	IB=KB قب horse vfn.
	IPPA-RXEO, commander of horses	IB=KB قب horse روق chief

	IPPA-LOPH-os, horse hair		قب horse LB هلب hair
★	IPP-ER-os, horse fever		قب+ER حر heat
★	ELOO, to nail		EL=KL خل to pin
L_2	ELUO, whole		EL=KL كل all
★	ALL	Eng	AL=KL كل all
	OP, to see		OP=KPكفأ to watch
★	UBRI-so, to wax insolent		UBR=KBR كبر insolence
★	UBRI-so, to wax wanton, treat despitefully		UBR=KBR كبر hanghtiness كابر to treat a.o. scornfully
★	UBR-is, insolence		UBR=KBR كبر insolence
★	AG-nu-mi, to crack G/Z		AZ=KZ قض to crackle
	EILEO, to force into narrow place		EL=KL كلا to imprison
	EILUO, to cover		EL=KL كله veil
★	OPA-so, to follow		OP=KP قفا to follow
★	OP-in, behind		OP=KP قفا to follow بالقفا behind
	OP-te-no, to observe		OP=KP كفا to watch
	OP-sis, sight		OP=KP كفأ to watch nfv.
L_2★	KIN-ABRA, rank smell of goat	K/S	KN=SN صن to stink AFR=KFR غفره goat
★	CAPER, goat	Eng	CPR غفره goat
	ETOR, heart		ETR=KTR خاطر heart
★	OIMA, the spring of a lion, to dart along		OM=KM قحم to rush blindly into (اقتحام الضبرغام)
★	OL-os, whole, complete		OL=KL كل all
★	OPA-do, to follow		OP=KP قفا to follow
	OPIPteo (OP) to watch		OP=KP كفأ to watch
★	OPI-zo, to fear		OP=KP خاف to fear
★	OPI-so, behind		OP=KP قفا to follow
★	OPI-s-then (OP-is) behind		OP=KP قفا to follow
★	OULA-m-os (EILO) troop of cavalry		OL=KL خيل troop of horsemen خيال cavalry
	OUL-os, destructive, baneful		OL=KL غائله destructive, misfortune
L_2	OUL-o, whole and sound		OL=KL قله health
	HEAL, HEAL-th.	Eng	HL=KL قله health
	OUL-os, twisted (of plants)		OL=KL غيل tufted trees
	ULH, forest, forest trees		UL=KL غيل forest, tangled trees
	OP-thal-mos, eye (OP)		OP=KP كفا to watch nfv.

OR.os, district — OR=KR قعر town
★ UB-os, hump-backed — UB=KB اكب to bend downwards

"*Guttural was changed into labials*" (*Mackjohn's history of English language P. 55*)

(*c*) *change a labial into a guttural*

BL-us, clod, lump — BL=KL قلاعه lump of earth
BOUN-os, hill (GOUN-os) — BN=GN قن hill
PRIO, to grind the teeth in rage — PR=KR قرع to gnash teeth in despair
H_2 LAPA-r-os, soft, loose — LP=LK لاق to be soft لق to be loose
PLETH-os, ordure — PLT=KLT قليط heap of dung
PEL-os, clay — PL=KL قلاع *clay*
CLAY — Eng. CL= قلاع *clay*
PHRA, leathern pouch — PR=KR قرعه leathern bag
★ PIDAX, spring, fountain — PDK=KDK غدق abundant water
★ PNIGO, to choke, throttle — PNG=KNG خنق to strangulate
★ PNIK-t-os, strangled — PNK=KNK خنق to strangulate
PULEO, to exchange — PL=KL قايل to exchange
PHL-os, peak of mountain — PL=KL قله top of mountain
★ PHEPSA-l-os, a spark, piece of ambers — PBS=KBS قبس fire-brand, lighted firewood taken f. fire
PHIM-os, muzzle — PM=KM كم muzzle
PHIMO, to muzzle — PM=KM كم to muzzle
★ PHIT-r-os, block of wood — PT=KT قطيع rod cut f. tree
★ PHLUO, to boil over — PL=KL غلى to boil
PHOIN-os, red, blood red — PN=KN قنأ to be intensely red
PHRUA-ssomai, snorting — PR=KR خر to snore

"*S changes into H or X or disappears*" (*Jesperson P. 119*)

(*d*) *Restore the lost initial S*

★ DE-s-mos, girdle, bundle — D=SD شد to bind شده bundle
★ DEO, to bind fast — D=SD شد to bind tightly
LIGAI-no, to scream — LG=SLG سلق to scream
KOT-os, wrath — KT=SKT سخط wrath
★ PHE-no, to slay — P=SP سفح to shed blood
LEUO, to stone — L=SL صلع stone vfn.
★ KEA-so, to cleave (KEIO) — K=SK شق to slit
★ KEI-mai, to be disposed to — K=SK صغا to incline to

★	DIKE, right, just, true	DK=SDK صدق right, just, trne
	THRAUO, to break in pieces	TR=STR شتر to tear in pieces
	THU-os, fragrant	T=ST سعيط fragrance
	THU-ia, scented wood	T=ST سعيط fragrance
	THE-lla (THUO) furious storm	T=ST سطع to raise dust
	THUE-le (THUO) part of victim that was burnt	T=ST شيط to expose meat to the blaze
	THU-ma (THUO), sacrifice, that which is slain	T=ST اشاط to spill blood, to expose to death.
	KOT-os, grudge	KT=SKT سخط wrath
	LAA-s, stone	L=SL صلع stone
	LASKO (LAK) to shriek	LK=SLK سلق to shriek
	LEGO (LEX) to lie, lie asleep	LK=SLK اصلخ to lie
	LEI-os, smooth, level	L=SL سهل smooth, even
	LU-zo, to hiccup	L=SL سعل to cough
	MAUROO, to darken	MR=SMR اسمر to be dark
★	RAB-d-os, stick for chastisement, wand	RB=SRB ضربه stroke, chastisement ضريب striker
	DEO- mai, to be defective	D=SD سد defect
★	RAB-isma, stroke	RB=SRB ضربه stroke
★	RA, easy to do, facilis	R=SR سراح ease سرح to faciltitate
★	RE-ia. easily	R=SR سراح ease
	REO, to say (ERO)	R=SR صرح to speak plainly
	RE-t-os, expressly, distinctly	R=SR صرح to be clear
	XI-on (XI) snow	KI=SKI صقيع hoar-frost, snow
	(e) *Initial vowel represents the loss of initial S:*	
	AGA-n-os, gentle, kindly	AG=SG سجح gentle, meek
★	OMA-l-os,equal	OM=SM سمى equal
	ADEO (SATIO), sate, full	AT=ST شحط to fill
	ALLO-mai, to leap (SALIO)	AL=SL صال to leap
★	ALEA, heat	AL=SL صلا heat
★	AL-tho-mai, to become sound	AL=SL صلح to be sound
★	ALIA, assembly of people	AL=SL ثله multitude of men
	OLLU-mi, to destroy, kill	OL=SL ثل to kill
	ARO, to bind, join	AR=SR صر to bind
★	AIOREO, to lift	AR=SR سار to climb
	AUDH, voice	AD=SD صدا voice

	AULAX, to furrow	ALK=SLK سلق to pierce
L_3	a-UP-os, sleepless	UB=SB سبح to sleep a, not
	SUP-na, sleep (Skt.)	SB سبح to sleep
	SOP, to sleep (Latin)	SB سبح to sleep
	HYP-no-tism, sleep	HB=SB سبح to sleep
★	OMOIOO, to make like	OM=SM سمی alike, equal
	AX, to distress, grieve	AK=SK شق to grieve, throw into distress
	AX-is, pain, distress	AK=SK شق pain, fatigue
	ALOP-ex, fox	ALB=SLB ثعلب fox
	di-EPO, to order arrange	EP=SP صف to set in order
	AB-os young	AB=SB شب to become young
	EB, youth	EB=SB شب to be young
	UPAI-no, weave	UP=SP سف to weave
	ULI-so, to strain	UL=سلأ to extract [oil]
	UP-n-os sleep	UB=SB سبح to sleep
	ERO, to speak	ER=SR صرح to speak plainly
	SER (EIRO) to fasten	ER=SR صر to fasten
★	ERAI-nai-s, peaceful	ER=SR سراح ease
★	AIRO, to carry	AR=SR ساری to take along w.
	OD-as, entrance, way in	OD=SD سدة door, threshold
★	EIRO, to string	ER=SR اسر string
	OR-nu-mi to stir	OR=SR ثار to stir
★	OROUO, to leap	OR=SR ثار to leap
★	AIRO, to rise, stir up	AR=SR ثار to stir, to rise
L_3	EPHA-do, to charm	EP=SP شعف to fascinate
	SHAIF-tan, to fascinate Persian	SH-F شعف to fascinate
	FASCI-nate Eng.	FS=SF شعف *fascinate*
★	ERI-so to be stubborn	ER=SR اصر to persist in
★	ERPO, to creep	ERB=SRB سرب to flow
	ERUO, to draw, snatch	ER=SR شهر to draw sword
	ex-EB-os, past youth	EB=SB شب be young, ex, past
L_2	ex-IDIO, to exude	ID=SD سدی to moisten
	ex-UDE Eng.	UD=SD سدی to moisten
	EOIKA, to befit, be like	EK=SK صوغ similar, alike
	AINEO, to praise	AN=SN ثنا praise
	AUDAO-mai, to call	AD=SD صدا voice

	OROUO, to rush		OR=SR ثار to rush
L_5★	EPTA, seven		EBT=SBT سبت week
★	SABBATH	Eng.	SBT سبت week
★	HAFT, seven	Persian	HBT=SBT سبت seven days
★	SEPTA, seven	Eng.	SBT سبت week
★	SAT, seven	Hindi	ST=SBT سبت seven days [b dropped]
H_2	EPO, to be busy, to follow		SB ثبی to be busy ثفا to follow
★	ERA, earth		ER=SR ثری earth
★	ERI-n-os fury		ER=SR سعر heat, insanity
L_2★	ER-os, charming		ER=SR سحر witchcraft
★	CHAR-m	Eng.	SR سحر witchcraft
★	ERPU-so, creep		ERB=SRB سرب to flow, to go
L_2★	ER-os wool		ER=SR شعر hair
★	HAIR	Eng.	HR=SR شعر *hair*
L_2★	ERPO, move slowly, creep		ERB=SRB سرب to flow
★	CREEP	C/S Eng.	CRB سرب to flow
★	ERU-mai, defence bulwark		ER =SR سور to wall [a town]
★	ERU, to speak, proclaim		ER=SR صرح to speak plainly
★	EROEO, to rush forth		ER=SR ثار to rush
	EB-os, youth of 18		EB=SB شاب youth of 16 to 30
L_2★	IAXO, to resound, cry		IK=SK صخ to resound
★	ECHO	Eng.	EK=SK صخ to resound
	ID-ro (ID-os) sweat		ID=SD سدی to moisten
	ALOKI-so to cut in furrow		ALK=SLK سلق to pierce
	EGGUAO, to betrothe, pledge		EG=SG زوج to couple
L_3	ex, OUSIA-so, to rule		OS=SS ساس to rule
	SHAS-tar, rule [SKT]		SAS ساس to rule
	SHAH, king [Persian]	H/S	SAH ساس SAS to rule
★	EUNAO, to put to sleep		EN=SN وسن to sleep
	OMA-d-os [OM-os] noise made by a number of people		OM=SM زم to buzz [wasps]
L_2★	OM, same		OM=SM سمی alike, equal
	SAME	Eng.	SM سمی equal, alike
	ERO, to fasten		ER=SR صر to fasten
★	IAXO, to echo, to ring		IK=SK صخ to resound
★	UG-r-os, fluid, wet		UG=SG ثج to flow [water]
L_2★	UPO sub, under × SUB		UB=SB اصب to go down
	ECHE, noise, sound		EK=SK صاخه noise, sound

IACHO, to cry — IK=SK صعق to cry

"What is corroborated by good many inscriptions that there existed a strong tendency to drop final S" [Jesperson P. 362]

[e] Restore the final S

ALH, wandering of mind — ALH=ALS هلس to lose the mind

★ BIA, bodily strength — BI=BS بأس strength

KEO, to put forth as leaves — K=KS اخوص to be covered. w. leaves

KALU-so, to overflow — KL=KLS قلس to overflow

TIMAO, to estimate — TMT=MS طمس to conjecture

KER-os, wax [CERA] — KR=KRS خرشاء wax

LEO-n, lion — LE=LS ليث lion

Restore the middle S

KOMMO, to beautify — K-M=KSM قسامه beauty

(f) Change H into S (S changes into H, Jesperson p 199)

★ HEMI, half — HM=SM سمى equal, alike

★ HPAR, bile screter, liver — HPR=SPR صفراء bile

★ HRI—GENEIA, child of morn — HR=SR سحر morn ZN ضنء race

★ HXH, noise, sound — HKH=SKH صاخه noise. sound

(g) Restore the lost G

EI-mi, to go — E=G جحا to walk

I, to go (Skt.) — I=G جحا to walk

YA-tra, going Skt.=GA-tra — Y=G جحا to walk

EO, to go (Latin) — E=G جحا to walk

GO (GEH-en) — GH جحا to walk

EPEUXO, to boast — EPK=GPK جفخ to boast

GUP, boast (Hindi) — GP=GPK جفخ to boast

Greek Toning down

This is the reverse of the ninth formula, named toning up. A hard sound has to be changed into a softer one, under this formula

(a) Change K into A

★ GEPHURA, dam, bridge, to cross a stream — GBR=ABR عبر shore عباره bridge عبر to pass over a river

★ GEPHOR, bridge — GBR=ABR عباره bridge

★ BERA, boat (Skt.) nv. — BR عباره boat

★ KARSI-os, cross-wise — KRS=ARS عرض to place opposite

KAPR-os, boar — KPR=APR عفر boar

L_2	KLAIO, to bewail	KL=AL عول to wail
L_2	KUBER-neo, to steer	KBR=ABR عبر to cross a river
	GOVERN (GUBER) to steer Eng	GBR=ABR عبر to cross a river
	KLAIO, to weep, lament	KL=AL ال to weep, moan
	KLAU-st-os, weeping	KL=AL ال to weep
	KEDO, to care for	KD=AD عهد to observe carefully
	KUDAI no, to honour d/z	KD=AD عز to honour
	KUD-r-os, illustrious	KD=AD عز to be illustrions
	KUD-os, illustrious	KD=AD عز to be illustious

(*b*) *Change K into H* (*K=H See Jesperson p. 43*)

	KOPEO, to make deaf	KP=HP حف to become deaf
	KALL-os, beautiful	KL=HL حلى to adorn
	GNAMP-to bend (M)	GNP=HNP حنف to incline (not جنف)
L_2	KIPIS-is, a pouch	KPS=HPS حفص pouch
	POUCH Eng.	PS حفص pouch

(c) Change K into V eg. Gallop=WALLOP GAUDIL QUIVIR= WADIYUL KABIR (وادى الكبير) GUARD=WARD

KOEO, to hear	K=V وعى to hear
KITHARI-so, to play a harp (قيتار)	KTR=VTR وتر string of a musical instrument

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